

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JULY 1998



WTFDA Convention '98!
July 31st to August 2nd

ROCK CITY
Enchanted Mountains
OLEAN, NEW YORK

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

E-SKIP IS BACK: Mediocre seems to be the most accurate word to describe the onset of the 1998 sporadic Es season. Although there have been reports from nearly all sections of the U.S. and Canada, it appears that the number of openings has been somewhat below normal. This month's columns will enlighten you as to what's been reported thus far. Good luck to all.

THEY'RE HERE: The 1998 parade of club conventions is led off with our annual affair less than a month from now. Preliminary registration, according to Dave Nieman, has been sluggish; however last minute sign up has become more the norm than the exception. Based on recent convention trends, there will be a good crowd the weekend of the 31st in southwestern New York state. Basic information on all club conventions appears below.

NRC TO LEAVE ANARC: The National Radio Club announced in the June 15 issue of "DX NEWS" that it would not be renewing its membership in ANARC, the umbrella organization for over a dozen radio hobbyist clubs in the U. S. and Canada. The NRC cited several factors which prompted the decision to sever their long relationship with the Association of North American Radio Clubs. Similar questions have arisen regarding ANARC's value to the WTFDA, and our ANARC representative Jim Thomas is in the process of briefing members of the Board of Directors on the situation as he sees it. You have probably observed that the decision making wheels turn quite slowly in WTFDA, therefore it will most likely be fall before any official statement regarding this development is made by our Board. What is likely, in view of the allegations by an organization with which we share strong ties, will be a thorough review of our ANARC affiliation. If you have any thoughts on this, please pass them along to any Board member or send them to Mike Bugaj for publication in *MAILBOX*.

CONVENTIONS: WTFDA - Dave Nieman and Greg Coniglio co-host our convention July 31, August 1 and 2 at Rock City, New York (near Olean). Please check detailed publicity elsewhere in this issue.

IRCA - The International Radio Club of America gets together August 14-16 in Missoula, MT. For information contact Larry Godwin, 2390 Clydes Dale Lane, Missoula, MT 59804. Larry's e-mail address is <lbg@selway.umd.edu>.

NRC - The National Radio Club convenes Labor Day weekend in San Antonio. For information, contact John Bowker, 1811 Ft. Dusquena Drive, Sun City Center, FL 33573 or e-mail <wa2wen@juno.com>.

WTFDA MAILBOX
Worldwide TV-FM DX Association
P.O. Box 501, Somersville, CT 06072

Mike Bugaj

lkon@Netcom.com

NEW MEMBERS

Tom Christman, Vacaville, CA
Mike DeRoo, Roeland Park, KS
William Burrows, Gloucester, NJ (re-joins)

Welcome to Renewals R Us: John Griffiths, Danny Oglethorpe, James Montgomery, Greg Coniglio, Will Hepburn, Rod O'Connor, Keith Pugh, Paul Alves, Charles Bernth, Jim Ayers, Fred Nordquist, George Mileon, Frank Aden, Robert Zent, Jeff Lockwood, and Kermit Reid.

DUCT OF A LIFETIME

Some tropo openings aren't just ordinary openings. Fernando Garcia found that out May 14th when he experienced a super duct to Ft. Dodge IA. This appeared to be "duct of a lifetime", a case of pure frontal ducting...a completely straight line duct from Ft. Dodge (KDIN-21) to Monterrey with NO shower or thunderstorm activity along it to kill the signals. When is the last time anyone saw a front on a straight line 1230 miles long?

A DXer's BEST FRIEND...A DXing C.E.

Reading last months Mailbox regarding QSLing was Fred Vobbe, chief engineer of WLIO-35 who writes: "In these days of dwindling verifications, it's nice to know that some stations do verify. At WLIO television, all accurate reports are verified with a card and usually some extra items. As an active AM/FM/TV Dxer, I offer a card which will verify reports of not only our tv station, but also the auxiliary services in the 450 band, and the 26mhz IFB channel. In addition to this, there is also a QSL for reports on the amateur repeaters at WLIO which operate on 6, and 2 meters and 440. So far the furthest report I have received for WLIO is Madison, WI. For the UHF two-way it's Chicago. The 6-meter repeater was heard in Paris, TN, and the 26mhz was heard in Cincinnati OH." Thanks Fred for your input.

PLANNING AN AUSTRIAN VACATION?

Well, if you are, you should know that UKW/TV-Arbeitskreis der AGDX, a VHF/UHF Club in Germany is planning a DX Camp in Austria this year from July 11- Aug1. They will have talks and slide shows and visit DX spots in the mountains and travel to Italy or Slovenia. Franz Ladner has all the info. His email address is Fladner@telekabel.at. This club also has a neat publication: a worldwide listing of low-band VHF TV stations. If you are interested write Box 501 or email me at lkon@netcom.com.

ATTENTION WEB-TV USERS

If you thought you wouldn't be able to take part in our WTFDA chat, then think again. One of the most frequently asked questions from Web-TV users is how to get on IRC chat from Web-TV. Well, now your questions can be answered if you go to the world wide web and read the info at www.irchelp.org/irchelp/misc/webtv.html. Here you will receive step by step instructions on how to join IRCNET, channel #wtfdxa. No special software is needed! So join in, join us and learn all about IRC. It's fun!

ONE SATISFIED CUSTOMER

Well, if anyone out there reads this column, you may remember that a couple of months ago, Michael Condon was looking for a couple of Channel Master traps, and about ready to throw his hands up in despair. I had two replies to Mike's plea, and the result was that Harry Hayes had just what Mike wanted. Mike writes: "Please express my thanks to our VUD publication. I can not ever express in words how much this publication and our little club helps all of us in this crazy hobby of ours." Thanks, Mike. Glad to help. Now, are there any others out there in the same boat? Need something but can't find it anywhere? Send a letter or an email to me and we'll see if we can help out.

NEXT PHASE For MR PHASER

Andy Bolin makes a mean Phase Box. I've had one four about four years now, and I love it. Some members even have two of them. They're worth their weight in gold. Recently Andy sent us an address change. It's his first move in 30 years. From now on, for phaser service etc. write Andy Bolin at: 845 Foxcrest Drive, Charleston, IL 61920-1762. Andy also wrote a detailed article on phase box theory and operation. It has plans for a simple box you could make yourself. I have a few copies of this article, and I'll send one to anyone who writes and includes a SASE.

GET READY FOR IBOC?

There is a new station on the air, and this one is just a bit different. A couple of people have heard the new station with the calls WD2XAB, operating out of Columbia, MD. WD2XAB is an experimental station on 93.5 with a license to test the IBOC (In Band On Channel) digital broadcasting system. This system lets broadcasters transmit a CD quality digital signal with an analog signal at the same time. Of course you will need a new receiver to pick up these digital signals, and a new IBOC receiver will be introduced in the year 2000. US Digital Radio is hoping that over time broadcasters will turn from analog to Hybrid IBOC (analog and digital simultaneously), and then turn off the analog signal at some future time and keep the All Digital signal. USDR's web site is www.USDR.com. Ain't technology great, or what? Have a great month.



It's 1969. We're in Denver, and channel 7, KLZ-TV, has a beautiful new home. The building is architecturally impressive, and the technical facilities 'top of the line'. Time-Life didn't cut corners on this broadcast center. I saw the facility from stem to stern a few years later while visiting Ray Durkee, a former Bismarck broadcaster, who had joined KLZ-AM as a disc jockey. You may recognize his name...he hosted a widely distributed syndicated oldies show for many years.



NEW HOME of KLZ-AM-FM-TV!

THE NEWEST AND FINEST
BROADCASTING FACILITY
IN THE WEST!

Striking in appearance—ultra modern in every detail! The new multi-million dollar home of an expanding KLZ radio, FM and television—plus Time-Life 7, an all new film production unit. This complete communications center—embodying the latest in electronic equipment and know-how—more than triples KLZ's former area—more than matches the burgeoning growth of the Rocky Mountain region.

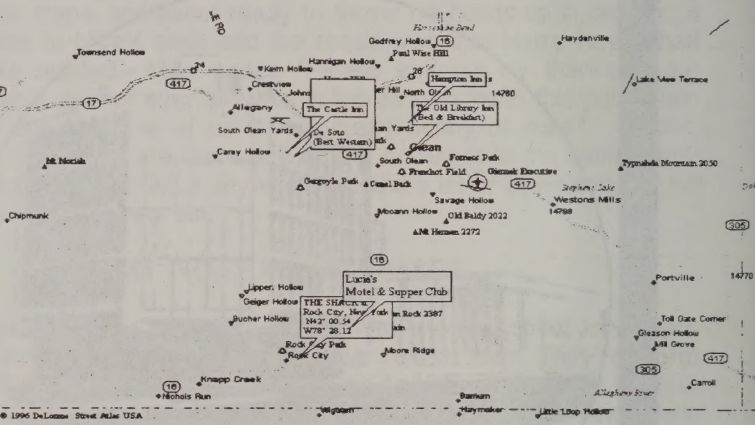
You're invited to see the new home of KLZ Radio and Television on your next visit to Denver, 123 Speer Blvd., Denver.



KLZ **TIME LIFE** **AM-FM-TV**
Broadcasted Nationally
By Radio Agency

at Rock City....

(route 17) on Hartzfelt Mountain. Dc central is a rustic cabin on three wooded and quiet acres on the rim of the Allegheny.



Area motels are:

**Lucia's Motel & Supper Club	9 units	rates starting at \$37/night	1-716-372-0039
De Soto (Best Western)	76 units	rates starting at \$40/night	1-800-325-0043
The Castle Inn	164 units	rates starting at \$55/night	1-800-422-7853
The Old Library Inn (B&B)	8 rooms	rates starting at \$65/night	1-716-373-9804
Hampton Inn	76 units	rates starting at \$64/night	1-800-426-7866

All rooms are based on single occupancy; add 8% NYS tax.

**The official motel of the '98 convention.

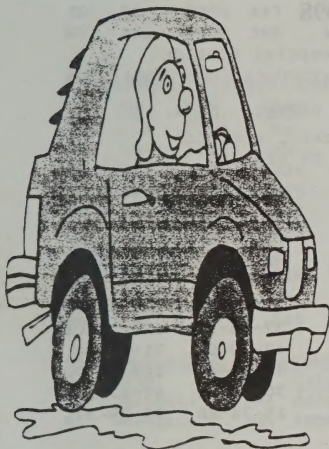
6

Stop what you're doing; it's time to make plans to attend the 1998 WTFDA CONVENTION at "The Shack" Rock City, New York.

This years event will be held **July 31th to August 2nd, 1998.**

Hosted by: Dave Nieman

with co-host Greg Coniglio



Here's an abbreviated schedule:

Fri. 11:00AM	convention starts, people arrive at the cabin get reacquainted.
early afternoon	AM/FM station tour.
6:00PM	pizza & wings party at the cabin; DX until crack of dawn.
Sat. c. o. d.	early risers arrive at the cabin for coffee, donuts & morning tropo.
noon	break for lunch (on your own); checkout area points of interest.
5:00PM	banquet at Lucia's Supper Club, club meeting.
7:00PM	arrive back at the cabin; DX till crack of dawn.
Sun. c. o. d.	early risers arrive blurry eyed back at cabin for coffee, donuts & morning tropo.
noon	things wind down, we say our good byes till next years convention.

Thanks for stopping.

Registration Deadline 6/30/98

1998 WTFDA Convention

at Ho-Sta-Geh, Road -- Rock City, New York

NAME: _____

ADDRESS: _____

CITY: _____

STATE/PROV _____

ZIP/POSTAL CODE: _____

Check one:

☐ Enclosed is a \$1.00 (deductable if you register for the '98 WTFDA Convention) for my convention information packet.

☐ Enclosed is my registration fee, \$25.00** - send me my convention information packet. All fees are applied to convention costs.

** Advanced registration only, make check or money order payable to: David J. Nieman, travel and lodging arrangements are the responsibility of the convention attendee.

Mail check or money order to: Dave Nieman -- 12284 Nice Road -- Akron, New York 14001-9408

TV NEWS

July 1998

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
w9wi@bellsouth.net
NOTE: NEW EMAIL ADDRESS!

*: Non-commercial station
nc: No Change
+/-: Channel offsets (plus,
z/n: minus, zero, and none)
^: Digital TV station

APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
CA	59^	190	913	Los Angeles	KCET [28]	34-13-26	118-03-44
CA	55^	703	208	San Diego	KFMB [8]	32-50-17	117-14-57
CA	30^	777	437	S Francisco	KQED [9]	37-45-19	122-27-06
CA	45^	206	446	S Francisco	KBHK [44]	37-45-19	122-27-06
MA	29^	46	457	Worcester	WUNI [27]	42-20-07	71-42-54
NV	32^	200	914	Reno	KTVN [2]	39-18-45	119-53-00
TX	22^	59.9	345	Austin	KLRU [18]	30-19-33	97-47-58
TX	27^	261	534	Houston	KRIV [26]	29-34-28	95-29-37

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
AK	26^	34.4	-11	Fairbanks	KTVF [11]	64-50-36	147-42-48
CA	25-	1.2	K25FY	Van Nuys		34-12-06	118-27-19
DC	48^	813	242	Washington	WRC [4]	38-56-24	77-04-54
GA	10^	16.5	303	Atlanta	WXIA [11]	33-45-24	84-19-55
GA	19^	49	329	Atlanta	WGNX [46]	33-48-27	84-20-26
IN	46^	250	267	Indpls.	WTHR [13]	39-55-43	86-10-55
IN	42^	310	178	South Bend	WNDU [16]	41-36-19	86-12-45
NY	19+	3.1	W19CF	New York		40-51-37	73-53-03
OH	35^	65	288	Cincinnati	WLWT [5]	39-07-27	84-31-18
OH	2^	7	296	Cleveland	WKYC [3]	41-23-10	81-41-21
OH	15^	500	285	Cleveland	WEWS [5]	41-22-26	81-43-04
OH	21^	440	212	Columbus	WBNS [10]	39-58-16	83-01-40
OH	28^	120	329	Lorain	WUAB [43]	41-22-45	81-43-12
OH	12^	0.61	180	Mansfield	WMFD [68]	40-45-50	82-37-04
OH	10^	3.5	304	Shaker Hts.	WOIO [19]	41-23-13	81-41-43
OH	49^	302	407	Toledo	WNWO [24]	41-40-03	83-21-22
OR	46^	960	509	Portland	KGW [8]	45-31-21	122-44-46
PA	36^	50	411	Harrisburg	WITF [33]	40-20-44	76-52-07
TN	63z	0.44	W63CQ	Clarksville		36-32-23	87-39-45
TN	65z	0.43	W65DQ	Clarksville		36-32-23	87-39-45
TN	69z	0.43	W69EC	Clarksville		36-32-23	87-39-45
TX	19^	566	500	Ft. Worth	KTVT [11]	32-34-43	96-57-12
TX	43z	4.05	K43FP	Longview		32-33-51	94-28-45
UT	*18-	6.35	-55	St. George	KUED [7]	37-03-49	113-34-20
WA	41^	427	263	Seattle	KCTS [9]	47-36-58	122-18-28

New-station permits expired, dismissed, etc.:

St	City	Ch	# permits	St	City	Ch	# permits
NY	Astoria	19	1				

APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
OH	3z	93	312	WKYC-TV	Cleveland		
OH	22+	3970	348	WKEF	Dayton	39-43-14	84-15-40
TN	54-	5000	618	WPKK	Jellico	36-11-53	84-13-51
WA	24z	3390	771	KBCB	Bellingham		

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

<u>St</u>	<u>Ch</u>	<u>ERP</u>	<u>HAAT</u>	<u>Call</u>	<u>City</u>	<u>Latitude</u>	<u>Longitude</u>
CA	44+			KRPA	R. Palos Verdes	33-21-00	118-21-08
ID	31-	3005	447	KFXP	Pocatello		
WV	29z	5000	368	WKRP	Charleston		

CHANGES GRANTED TO EXISTING FACILITIES

<u>St</u>	<u>Ch</u>	<u>ERP</u>	<u>HAAT</u>	<u>Call</u>	<u>City</u>	<u>Latitude</u>	<u>Longitude</u>
FL	26z	5000	nc	WNTD	Daytona Bch		
MI	53-	3320	nc	WLAJ	Lansing		
MO	30+	5000	336	KDNL-TV	St. Louis		
MS	29+	1012	475	WMPN-TV	Jackson	32-11-29	90-24-22
NV	27+	nc	894	KREN-TV	Reno		
OR	32z	nc	543	KWBP	Salem		
PA	40+	5000	nc	WPCB-TV	Pittsburgh		
TX	41^	891	448	KXAS-DT	Fort Worth		
TX	45z	5000	nc	KXLN-TV	Rosenberg		
WA	*9z	nc	249	KCTS-TV	Seattle		

Changes expired, dismissed, etc.:

<u>St</u>	<u>City</u>	<u>Ch</u>	<u>Call</u>	<u>St</u>	<u>City</u>	<u>Ch</u>	<u>Call</u>
HI	Honolulu	38+	KAIE	LA	New Orleans	49z	WPXL
HI	Honolulu	44z	KWBN	TX	Amarillo	7z	KVII-TV

CHANGES GRANTED TO CONSTRUCTION PERMITS

<u>St</u>	<u>Ch</u>	<u>ERP</u>	<u>HAAT</u>	<u>Call</u>	<u>City</u>	<u>Latitude</u>	<u>Longitude</u>
TX	9^	18.6	526	WFAA-DT	Dallas	32-35-06	96-58-41
WA	22z	1875	597	KSKN	Spokane		
WI	57+	5000	340	WHPN-TV	Janesville	42-43-40	89-13-58

TECHNICAL CHANGES ON THE AIR

<u>St</u>	<u>Ch</u>	<u>Call</u>	<u>City</u>	<u>What happened</u>
AL	44+	WPXH	Gadsden	major power & moderate tower height increases, move about 30km west-southwest.
FL	5+	WOCX-LP	Sebring	move from ch. 4+, move from Ft. Pierce (a move of about 100km to the west), huge power increase. This one is probably DXable via Es now.
IL	39z	WQRF-TV	Rockford	moderate power increase.
TN	28+	WNPX	Cookevil.	large power & moderate tower height increases; move about 60km west. Now a semi-local in Nashville.
UT	30z	KUWB	Ogden	moderate power decrease, huge tower height increase, move about 50km south
WI	14-	WPXG	Suring	major power & minor tower height increases; move about 25km south-southeast.

NEW STATIONS GRANTED/REQUESTING OPERATING LICENSES OR NOTED ON THE AIR

<u>St</u>	<u>Ch</u>	<u>ERP</u>	<u>HAAT</u>	<u>Call</u>	<u>City</u>	<u>Latitude</u>	<u>Longitude</u>
IA	69+	1.77		K69GZ	Iowa Falls	42-20-10	93-28-00
ID	55-	27		K55HM	Twin Falls	42-43-45	114-24-55
KS	*21-	191	76	KDCK	Dodge City	37-49-33	100-10-40
NV	10-	3.09	564	KENV	Elko	40-41-53	115-54-13
NY	27			WLQ930	Buffalo		
OH	25z	26.5		W25CI	Steubenville	40-21-59	80-35-22
ON	15			VX9AMK	Toronto		
PA	28z	55.2		W28AW	Greensburg	40-18-57	79-39-22
PA	64z	3090	372	WQPX	Scranton	41-26-06	75-43-35
TX	20+	33.3		K20EP	Austin	30-19-20	97-48-03
TX	55n	0.15		K55GJ	Raymondville	26-28-32	97-48-30
UT	16z	2000	847	KUPX	Provo	40-16-45	111-56-00

STATIONS DELETED/DISMISSED/ETC.

St: Call: St: Call: St: Call: St: Call:
CA K49DD

CALL CHANGES

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch
New	KBEI	Durango, CO	33	New	KBEJ	Fredericks, TX	2
New	KBEO	Jackson, WY	11	New	KBEU	Spokane, WA	34
New	KBFA	Wolfforth, TX	22	KXIV	KCSG	Cedar City, UT	4
New	KCWY	Casper, WY	13	New	KPXL	Uvalde, TX	26
K52DJ	KSUV-LP	Bakersfield, CA	52	K02PD	KVNJ-LP	Fargo, ND	2
KUPN	KVWB	Las Vegas, NV	21	New	KWBM	Harrison, AR	31
New	WAZW	Antigo, WI	46	W61CA	WBXZ-LP	Buffalo, NY	61
W51CD	WCFC-LP	Rockford, IL	51	New	WDTL-TV	Greenville, MS	44
W45AJ	WJJD-LP	Loves Park, IL	45	W12CJ	WNSR-LP	Mt. Carmel, IL	12
WCCL	WFXL	New Orleans, LA	49	WFHL	WFXU	Decatur, IL	23
KBDL	KFXP	Pocatello, ID	31				

PROGRAMMING CHANGES

Call:	Location:	Programming:
K02HR	Bullhead C., AZ	UPN "KLBC".
K31DI	Phoenix, AZ	sold to KDRX-LP [64], Telemundo
KFXP [31]	Pocatello, ID	new; to be Fox?
KCNG-LP [25]	Las Vegas, NV	new, UPN. (not in FCC DB)
K50DF	Glencoe, OK	sold to KOKH [25], Fox
K07VB	Stillwater, OK	sold to KOKH [25], Fox
K19DB	Stillwater, OK	sold to KOKI [23], Fox
KBSP-TV [22]	Salem, OR	sold to Paxson.
WTVE [51]	Reading, PA	to Telemundo.
W45BP	Honea Path, SC	translates WGS [16], TBN.
K16CY	Killeen, TX	sold to religious organization.
KUWB [30]	Ogden, UT	from PaxNet to WB.
KUPX [16]	Provo, UT	from WB to PaxNet.
KBEU [34]	Spokane, WA	sold to Paxson.

DISPLACEMENT APPLICATIONS (LPTV)

These are LPTV stations that are losing their current channels to DTV. Estimates suggest that half or more of LPTVs & translators may be bumped (?) so expect a lot more of these.

St:	City:	Call:	New Ch.:	St:	City:	Call:	New Ch.:
AK	Anchorage	KCFT-LP	35z	NC	Apex	WACN-LP	34-
AL	Athens	WTZT-LP	11	NC	Asheville	W64CI	50z
AL	Cullman	W52BJ	65+	NC	Durham	WTWW-LP	26z
AL	Dothan	WJJN-LP	23+	NE	Columbus	K20FM	28n
AR	Bentonville	K45EI	32	NE	Columbus	K47FK	47n
AZ	Casas Adobes	K64BV	62+	NE	Columbus	K49EP	49+
AZ	Klagetoh	K68BL	47	NE	Columbus	K63FQ	53
AZ	Many Farms	K69AF	49	NE	Columbus	K69HF	41n
AZ	Phoenix	K39BI	53	NE	Omaha	KOHA-LP	24
CA	Delano	K14IK	31	NE	Omaha	K67FM	24-
CA	Lakeport	K60FP	15	NH	Littleton	W16BC	29-
CA	Lakeport	K64AZ	25+	NM	Carrizozo	K51CN	20
CA	Lakeport	K68AL	18-	NM	Las Cruces	K68FV	20
CA	Merced	K63EC	17+	NM	Socorro	K10MG	35-
CA	Payne's Creek	K20FP	41+	NM	Tucumcari	K69BC	38
CA	Riverside	K65FT	25-	NV	Carson City	K65GW	48z
CA	S. Luis Obispo	K15BD	16	NV	Las Vegas	K67GB	55+
CA	Santa Barbara	KKFX-LP	17-	NY	Binghamton	WBGH-LP	20z
CA	Santa Barbara	KTSB-LP	29	NY	Oneida	W65CY	15
CA	Stockton	K52CK	41z	NY	Schenectady	W04DA	42
CA	Tulare	K40DQ	27	NY	Troy	WNGN-LP	47z
CA	Ukiah	K67BV	31	OH	Columbus	WCLL-LP	19-
CA	Ukiah	K69DF	25	OH	Columbus	W13BN	60+
CA	Victorville	K47CC	49-	OH	Delaware	W56CA	45
CO	Durango	K66BN	25	OH	Lima	WOHL-LP	25z
CO	Fall River	K03DL	63	OK	Altus	K61BY	36

DISPLACEMENT APPLICATIONS (LPTV)

CO	Gd. Junction	K63EI	45	OK	Altus	K63BE	38
CO	Gd. Junction	K65CE	47	OK	Altus	K65BF	40
CO	Gd. Junction	K67CJ	49	OK	Altus	K67BO	43
CO	Larson	K13EP	9	OK	Altus	K69EP	49
CT	Hartford	W05CF	16+	OK	Bartlesville	K66EK	52
CT	Hartford	WHTX-LP	28+	OK	Guymon	K69EQ	59
FL	Jacksonville	W36AJ	54+	OK	Nowata	K60EX	25+
FL	Lakeland	WLWA-LP	14-	OK	Okla. City	KTOU-LP	21+
FL	Miami	WLMF-LP	53n	OK	Okla. City	K65GU	21z
FL	Pensacola	W31BB	65	OK	Ponca City	K68EU	54
FL	Perry	W69AX	29-	OK	Tulsa	K63FU	29
FL	Sebring	W54CL	23	OK	Weatherford	K39DY	59
GA	Atlanta	W20AU	4z	PA	Hawley	WWPS-LP	26z
GA	Dalton	W47BA	49+	PA	Philadelphia	W63CO	38
GA	Valdosta	WSWB-LP	35+	PA	Philadelphia	WXTV-LP	50+
IA	Des Moines	K41DD	46	PA	State Coll.	W13BY	17+
ID	Crouch	K69CK	41z	SC	Charleston	W60BP	26+
ID	Garden Valley	K61FK	51	SC	Spartanburg	W66CA	27z
ID	Georgetown	K69CL	57z	TN	Chattanooga	W65DI	21z
ID	Juliaetta	K64CM	43z	TN	Chattanooga	WYHB-LP	34-
ID	Kellogg	K64BD	57z	TN	Cleveland	W27BQ	58+
ID	Kellogg	K67BX	59z	TN	Cleveland	W64CH	58-
ID	Lewiston	K64BR	55z	TN	Knoxville	W56CM	63+
ID	St. Marie's	K69CN	54z	TN	Union City	W41CD	26-
IL	Alton	W57BS	50+	TX	Austin	K20EP	34-
IL	Champaign	W39BH	61	TX	Austin	K67FY	40+
IL	Springfield	W33AY	62	TX	Beaumont	K46CM	25-
IN	Marion	WSOT-LP	57-	TX	Bovina	K63CA	59
IN	Muncie	WMUN-LP	26-	TX	Bryan	KRHD-LP	34
KS	Wichita	K15DD	38+	TX	C. Christi	K13WD	12z
KS	Wichita	K61GC	40	TX	C. Christi	K22BH	32+
KY	Lexington	W62CL	23-	TX	C. Christi	K55FX	33-
LA	Baton Rouge	K52CQ	53	TX	C. Christi	K63EU	51
LA	New Orleans	K14IE	66	TX	El Paso	K69IB	34-
MD	Hagerstown	W41CE	42	TX	Kerrville	K02MQ	11
MI	Alpena	W31BO	42+	TX	Laredo	K61GY	25+
MI	Dearborn	W68CH	33+	TX	Livingston	KHTX-LP	7
MI	Muskegon	WMKG-LP	38	TX	Lubbock	KGLR-LP	55
MI	S. Ste. Marie	W61CR	46	TX	McAllen	K67HC	21+
MI	Traverse City	W40AY	54-	TX	McAllen	K69HZ	25-
MN	Appleton	K15DC	40	TX	New Braunfels	K62FR	14+
MN	Appleton	K17CS	48	TX	San Antonio	K68EI	14+
MN	Appleton	K19CW	36	TX	San Antonio	K27EA	18-
MN	Appleton	K25EI	51	UT	Ogden	K39DH	51
MN	Appleton	K31BT	36	VA	Lynchburg	W19BC	46z
MN	Austin	K43DH	59	VA	Roanoke	W56CP	62
MN	Austin	K61EU	26	VT	Newport	W14CK	40-
MN	Minneapolis	K35CY	67	WA	College Pl.	K45DA	36
MO	Columbia	K14JU	51+	WA	Spokane	K14IF	43
MO	Columbia	K36EF	53z	WA	Walla Walla	K27DD	28
MO	Columbia	K69HR	59-	WA	Yakima	KDHW-LP	45-
MO	Kansas City	K26CR	55	WI	Milwaukee	WMKE-LP	38+
MO	St. Louis	K21OD	16z	WI	Milwaukee	W46AR	41-
MO	St. Louis	K64DT	60+	WV	Huntington	W17BH	64
MS	Natchez	W42CC	22-	WY	Shoshoni	K68DG	42

OTHER STUFF & FORUM

Chip Kelley found KCNG-LP on the Web, complete with a coverage map. However, there's no record of such a station in the FCC database! My guess is the FCC "lost" it - I've sent an email but no response yet.

Thanks to Chip Kelley, Jim Ayers, Rick Shafan, Bill Draeb, and Bill Hepburn for information appearing elsewhere in this month's column. I'm trying to keep it shorter than normal as there's been some nice tropo, and I expect longer-than-normal DX columns.

Bill Hepburn in Brampton, Ontario has a new flea-powered semi-local. VX9AMK operates from a Toronto video store, and airs sci-fi movies. Bill also reports WLQ930 on channel 27. This is the studio-transmitter link (STL) for WBUF-LP. Apparently these are licensed as STLs (not as LPTVs), judging from the callsign used.

JULY 1998

editor- GREG CONIGLIO
90 SLATE CREEK DRIVE - APT. 3
CHEEKTOWAGA, NEW YORK 14227
E-MAIL coniglio@localnet.com
TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:
M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479
PHONE (615) 865-1525 FAX (615) 865-2598

KEY:

&: satellite programming
AF: new freq. allocation **accepted** for filing for a new FM license
AFA: American Family Association
CC: **call change**/new calls assigned
CL: **city of license** change granted
CO: new xmtr **co-ordinates**
CX: a **CP** has expired, and is cancelled
C1,C2, etc: change in class status
DA: **directional antenna**
DE: calls **deleted**, license returned to FCC
FC: station **format change**

GA: **granted amendment** to table of FM allocations
GE: station was **granted extension** of a CP
GX: **granted** replacement of expired CP
LC: filed for license to cover (for new stn.)
MC: **multiple-city** legal ID
NC: **no change** yet, on a reported pending grant/change.
ND: non-directional
NO: station is **not on the air**
NS: a **new station** granted a license
OSA: one-step application
NW: **new station** signs on the air
PA: **proposed amendment** to change table of allocations
PC>: a **power change** (increase)

PC<: a **power change** (decrease)
PG>: **power change granted** (increase)
PG<: **power change granted** (decrease)
QC: **frequency change** for this station
QG: **frequency change granted**
RA: station **returns to the air**
RE: station **requests extension** of a CP
RX: station **requests** re-instatement of an expired CP
SG: **slogan change** or update
SI: station is **silent**
XA: **dismissed amendment to the table of FM allocations**
XC: station changes xmtr site
XG: station granted a transmitter (xmtr) site change



UNITED STATES

ALABAMA:

Addison: WYAM105.7 FC to ABC AC (&)
Homewood: WEDA97.3 NW, CHR (Birmingham) debut on July 4th
Jackson: WHOD 94.5 NC to 30 kW, 640', RE
Mobile: WMXC 99.9 FC to adult contemporary
Repton: WYNI 101.1 NO-GX
Scottsboro: W212BC90.3 NS-10w: WJIA 88.5
Wetumpka: WJWZ 97.9 LC

ALASKA:

Anchorage: KWHL106.5 FC to rock
Anchorage: KAFC 93.7 CC (NS)
Fairbanks: KUAC 89.9 LC
Juneau: KAMT100.7 NO-GX
Juneau: KAKZ102.7 NO-GX
Seward: KPFN105.9 CC (NS)

ARIZONA:

Benson: KAVV 97.7 NC to 2050w, 148', RE
Buckeye: KMJK106.9 adds ABC urban AC (&)
adds ABC's "Touch" overnight (&) (Phoenix)
Florence: KCDX103.1 NO-RE
Kingman: KGMN 99.9 XA: for 100.1 - C2
L.Havasui City: KRRK 101.1 PC> 7.1 kW, 2706', C1
XC: 34-44-06 / 114-11-37

Pima: *** 107.1 GA: add class A
Show Low: KSNX93.5 CC (ex KVWM) FC to ABC - country

Stratton Canyon: K210CD 89.9 NS-1w(v)WPCS 89.5
Tucson: K274AQ102.7 NS-50w: KNOG 91.1

ARKANSAS:

Brinkley: KQMC102.3 GA: to Colt, AR
Forest City: KARH 88.1 NO-RE
Harrison: *NS 91.9 6 kW, 328 ft.
L.Village: KUUZ 95.9 SG "The Cuz 95-9"

Arkansas:

Maumelle: KSIZ 96.9 LC
Mtn Home: KBFJ 88.7 CC (NS)
N.Little Rock: KDRE101.1 FC to alternative
Stamps: *NS 104.3 6 kW, 328 ft.
Yellville: KCTT101.7 PG> 6 kW, 285 ft
XC: 36-17-18 / 92-30-37

CALIFORNIA:

Arnold: KBYN 95.9 FC to reg. Mexican // KNTD
Camarillo: KOCP 95.9 PG< 1.2 kW, 1450 ft.
Cathedral City: K216DW 91.1 NS-10w: KLVN 93.3
Chester: KCMT 98.9 NC to 2463 ft.
Fairmead: KLVY 91.1 PG< 3.4 kW, 1138 ft,
XC: 37-25-10 / 119-44-42
Fresno: KSKS 93.7 dec. to 1902 ft,
XC: 37-04-39 / 119-26-01
Fresno: KNAX 97.9 increases to 2004 ft.
Indio: *** 95.5 PA: add class A
Kingsburg: KLVK106.3 OSA to 16 kW, B1, 420',
XC: 36-26-50 / 119-37-10
Los Angeles: KUSC91.5 PG> 39 kW, 2922 ft, DA
Los Molinos: KTHU102.1 LC
Morro Bay: KWWV99.7 PG> 265w (cir), 1532 ft
XC: 35-21-40 / 120-39-21
Mtn Pass: KHYZ 99.5 XA: to 99.7 - B
Nevada City: KVMR89.5 PG<1750w, 1132 ft.
Ontario: KREA 93.5 PG> 6 kW, -131 ft.
Oxnard: KCAQ104.7 PC> 5.1 kW, 1476 ft.
Palm Springs: KPLM 106.1 adds After Midnite



California:

Pasadena: KROQ106.7 XG: 34-11-49 / 118-15-30
 Red Bluff: K207CM 89.3 NS-100w: KCZO
 Redondo Bch: KFOK 93.5 PG> 6 kW, 282 ft.
 Ridgecrest: KLOA 104.9 XG: 35-28-41 / 117-41-58
 dec. to 1309 ft.
 Rio Dell: KMGX107.3 NO-GE
 San Bernardino: KVCR 91.9PG> 3.8 kW, DA, class B
 San Clemente: KWVE 107.9NC to 560w, 3690', GX
 San Francisco: KKSF 103.7 PG< 7.2 kW, 1512 ft.
 San Francisco: KITS105.3 adds Howard Stern
 San Joaquin: KVPC105.5 NO-RE
 Santa Barbara: KIST 107.7 CC (ex KLDZ)
 Santa Paula: KXBS96.7 NC to 280w, DA, RE
 Soledad: KLUE 106.3 OSA to 4.7 kW, 371 ft.
 Sonora: KTUO 99.1 CX CP for 102.1

COLORADO:

Colona: *NS 89.7 AF
 Delta: KPRU103.3 CC (NS)
 Eagle: K217DB91.3 NS-92w(v): KWBI 91.1
 Ft. Collins: KPAW107.9 inc. to 640 ft.
 Grand Jct: KBFE 100.7 CC (NS)
 Greeley: KGLL 96.1 inc. to 735 ft.
 XG: 40-40-50 / 104-56-32
 Morrison: KWBI 91.1 PG> 100 kW (h), 1207 ft.
 Pueblo: KYZX 104.5 FC to ABC clas. rock (&)
 Vail: KPRE 89.9 decrease to 295 ft.
 XG: 39-38-05 / 106-26-47

DELAWARE:

Lewes: W219BZ91.7 NS-250w: WYFG 89.3 SC

FLORIDA:

Arcadia: WWRZ98.3 PG< 26 kW, 686 ft,
 XG: 27-38-38 / 81-48-00, CL: Ft. Meade, FL
 Beverly Hills: WXOF 106.3 QC from 97.1, PG> 12 kW
 469 ft, XC: 28-46-39 / 82-28-05
 Cedar Creek: WKSJ89.5 NO-RE
 Clermont: WLAZ 88.7 SG "La Mega"
 Gretna: WGWD93.3 OSA to C3, 8.7 kW, 499 ft.
 XG: 30-29-48 / 84-27-33
 Holiday: WLTV 97.1 QC from 106.3, PG> 11 kW
 735 ft, XC: 28-10-56 / 82-46-06
 Holmes Bch: WISF98.7 FC to dance-CHR "Wild 98.7"
 Inglis: WHGN104.3 CC (ex WAVQ)
 Jacksonville: WNGM88.1 PG> 8 kW, 502 ft, DA, C3
 XG: 30-16-36 / 81-33-47
 Jupiter: WTPX105.5 PC> 19 kW, 807', DA
 CL: Hobe Sound, FL, class C2, FC to country
 // WXFG 95.5 Ft. Pierce
 Micanopy: WSKY 97.7 FC to news/talk "Sky King"
 CC (ex WRRX)
 Pt. Charlotte: WXRM100.1 SG "Soft Rock Warm 100"
 Pt. St. Lucie: WHLG101.3 CC (NS)
 Punta Gorda: WIKX92.9 NC to 100 kW, 522ft, CX CP
 XG: 26-53-47 / 82-14-27, CL: Charlotte Harbor, FL
 increase to 807 ft, C1
 Stuart: W297AG107.3 NS-10w: WSCF 91.9
 Tampa: WWRM94.9 dec. to 1122',
 XG: 27-49-08 / 82-14-26

GEORGIA:

Cordele: WKKN 98.3 PG> 4.2 kW, 279 ft
 XG: 31-55-45 / 83-46-20
 Cuthbert: *NS 100.7 11.5 kW, 479 ft.

Georgia:

Donalsonville: WWGF 107.5, increase to 315 ft.
 XG: 30-58-46 / 84-57-27
 Fayetteville: WHTA 97.5 NC to 7.9 kW, 636', GE
 Nashville: WJYF 95.3 PG> 14.5 kW, C2
 Savannah: WEAS 93.1 adds Doug Banks
 Smithville: WZIQ 106.5 FC to gospel (Albany)
 Sparta: WMGZ97.7 NC to 8.5 kW, CX CP
 Statenville: WHLJ 97.5 NO-RE
 Valdosta: WYZK 96.7 NC to 50 kW, RX

HAWAII:

Honolulu: *NS 105.9 NO-DE
 Kaneohe: KXME104.3 NC to 75 kW, 2116', RE
 Lihue-Kauai: KAWW 98.1 dec. to 167 ft, C1
 XG: 21-59-59 / 159-24-55

IDAHO:

Island Park: *** 102.9 GA: add class C (replaces
 106.5 - C)
 Lewiston: KVTY 105.1 CC (NS)
 Pocatello: K212EX90.3 NS-250w: KLOV 89.3 OR
 Shelley: *** 106.3 GA: add class C1 (replaces
 107.9 - C)
 Sun Valley: KECH95.3 NC to 5.9 kW, 2152', RE
 Wallace: KSIL 100.7 NO-RE

ILLINOIS:

Bethalto: WFUN 95.5 adds Christian rock,
 Sundays 2200-2400, "Fun Radio 95.5" slogan
 Carlville: W206AN89.1 NS on air, // WYFG 89.3 SC
 Carlinville: WTSJ 90.1 noted on w/southern Gospel
 Decatur: W205BF88.9 NS-13w: KLVC 88.3 CA
 Freeport: WFPS 92.1 FC to AC "Star 92.1"
 Herrin: WVZA 92.7 FC to a/c (Carbondale)
 LaSalle: WNIW 91.3 PG> 36 kW (v), class B, DA
 XG: 41-24-47 / 89-16-34
 Metropolis: WRIK 98.3 NC to 100 kW, 699', RE
 Oregon: WOXM106.1 NO-GE
 Ottawa: W201BQ88.1 NS-80w: KLVC 88.3 CA
 Pekin: WCIC 91.5 PG> 47 kW (cir), 505 ft, DA
 XG: 40-33-28 / 89-34-04
 Pickneyville: WCCZ104.3 NO-GE
 St. Anne: *** 106.5 PA: add class A
 Springfield: W205BG88.9 NS-10w: KLVC 88.3 CA
 Tower Hill: WRAN 98.3 LC
 W. Frankfort: WQUL97.7 FC to clas. rock "The Bear"

**INDIANA:**

Auburn: WGL 102.3 FC to modern AC // WYSR
 Edinburgh: WYGB102.9 NO-RX
 Evansville: WYNG105.3 inc. to 492 ft.
 Ferdinand: WQKZ 98.5 LC
 Indianapolis: WFBQ94.7 NC to 58 kW, 804 ft,
 XG: 39-53-43 / 86-12-04
 Lebanon: WWRE91.1 LC
 Martinsville: WCBK102.3 PC> 6 kW
 Veedersburg: WKLO 92.9 NO-GX
 Vincennes: WATI 89.9 NO-GE

IOWA:

Castana: KMAP107.5 CC (NS)
 Cedar Rapids: KXMX 102.9 FC to CHR
 Clear Lake: KKK 103.1 OSA to 103.7 - C3, PG>
 25 kW, 187 ft, XG: 40-03-35 / 93-22-47
 Davenport: KCQQ106.5 PG> 100 kW, 895 ft,
 XC: 41-37-58 / 90-24-38
 Lamoni: KLIC 97.9 NO-RE
 Newell: *** 100.9 PA: add class A

KANSAS:

Copeland: KHYM103.9 LC
 Emporia: *NS 90.7 AF
 Humboldt: *NS 94.3 21 kW, 374 ft.
 Hutchinson: KLSI 97.1 CC (NS)

KENTUCKY:

Benton: WTRT 88.1 CC (NS)
 Campbellsville: WCKQ 104.1 FC to hot AC
 Catlettsburg: WRVC92.7 PG< 2350w, 531 ft,
 XG: 38-28-02 / 82-35-50
 Georgetown: WRVG89.9 PG> 50 kW (cir), 410 ft
 DA, C2, XC: 38-12-15 / 84-32-51
 Hopkinsville: W201BW 88.1 NS-27w: WYFG 89.3 SC
 Irvine: WCYO 106.1 QG to 100.7 -C3, PG> 9.2 kW
 505ft, XG: 37-39-40 / 84-05-55
 Louisville: WMHX103.9 CC (ex WSJW)
 Munfordville: WCLU102.3 CC (ex WMCC)
 Pineville: WRIL 106.3 PG< 900, 846 ft
 XG: 36-45-15 / 83-42-24
 Tyner: *NS 89.3 AF

LOUISIANA:

Alexandria: KOUZ 89.9 NO-GE
 Bastrop: KLMB 97.3 FC to urban AC (in June)
 SG "Heaven 97 FM"
 Baton Rouge: WDGL 98.1 SG "Eagle 98.1"
 DeRidder: KEAZ 101.7 reported SI (NO-CX-DE)
 but RA with black gospel
 Farmerville: KWJM 92.7 SG "Paradise 92.7"
 Grand Isle: *NS 104.5 6 kW, 213 ft.
 Haughton: KDKS 103.7 SG "Hip Hop and R&B KDKS
 103" (no longer "Kiss")
 Homer: KYLA 106.7 CC (ex KXZB)
 XG: 32-44-39 / 93-22-52, SG "Real Country LA106.7"
 Minden: KSYR 95.7 SG "Star 95.7" (hot AC)
 Monroe: KNOE101.9 dec. to 1515 ft. SG "FM102"
 Oak Grove: KWCL 96.7 SG "Oldies 96.7"
 Rayne: KLTW106.7 CC (ex KSIG) FC to oldies
 SG "K-Lite 106" (Lafayette)
 Ruston: KXKZ 107.5 SG "Kicks 107.5 KXKZ"
 Sulphur: KKGB101.3 CX CP for 50 kW, 407 ft.
 Sulphur: *NS 89.1 AF

**MAINE:**

Dennysville: WCRQ102.9 CC (ex WHRR), RA
 with adult contemporary
 Winslow: WWA95.3 NW, c.Christian, religion

MARYLAND:

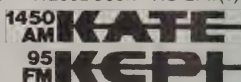
Baltimore: WOCT104.3 PG< 32 kW, 485 ft
 XC: 39-25-46 / 76-27-00

MASSACHUSETTS:

Amherst: WFCR 88.5 PG> 13 kW, 968 ft.
 Athol: WCAT 99.9 PG> 2250w, 443 ft
 XG: 42-33-34 / 72-09-14
 Falmouth: WFPB 91.9 PG> 6 kW (v), 300 w (h)
 243 ft, add DA
 Webster: WXXW 98.9 FC to classic rock (Worcester)
 Worcester: WAAF107.3 PG> 20 kW, 784 ft,
 XC: 42-18-11 / 71-53-52

MICHIGAN:

Allegan: WZUU 92.3 adds Bob & Tom
 Ann Arbor: WIQB 102.9 FC to rock
 Bear Creek Twp: *NS 89.36 kW (v), 1023'
 Benton Hbr: WHFB 99.9 dec. to 407 ft.
 XG: 41-57-42 / 86-21-02
 Crystal Falls: WAQJ100.7 NO-GE
 Detroit: WDET101.9 CX CP for 48 kW, 554', XC
 Flint: WGR1 88.9 LC
 Grand Rapids: WBWY 89.9 RA with gospel
 Harrisville: *NS 89.7 31 kW (v), 453 ft.
 Hillman: WKJZ 94.9 FC to clas. rock // WQLB
 Honor: WIAR 100.7 CC (NS)
 McMillan: *** 96.7 GA: add class C3
 Marlette: WBGV 92.5 NO-GE
 Monroe: *NS 88.1 AF
 Oscoda: WCBM 95.7 NO-GE
 Owosso: WRSR103.9 CC (ex WAHV)
 Sault Ste. Marie: ***102.3 GA: add class C3
 (non-comm)
 Schoolcraft: W204BB88.7 NS-80w(v): KEAR 106.9 CA
 Traverse City: *NS 91.5 A F
 Wakelee: W208BC89.7 NS-27w(v): KEAR 106.9 CA

**MINNESOTA:**

Albert Lea: KCPI 94.9 FC to JRN adult contemp (&)
 Bemidji: KKBj 103.7 adds ABC - AC
 Blackduck: WBJL 98.3 FC to real country (&)
 Lanesboro: *** 103.9 GA: add class A
 Moose Lake: KBFH107.1 CC (NS)
 Ortonville: KPHR106.3 CC (ex KAHF), adds ABC
 country (&)
 Park Rapids: KXKK92.5 OSA to C3, 25 kW, 328 ft.
 CC (NS)
 Pillager: KBKK 95.9 CC (NS)
 Pine City: WCMP 92.1 OSA to 100.9 - C3, PG> 25
 kW, 276 ft, DA
 Princeton: KSLI 106.1 CC (ex WQPM)
 Rochester: K280EL 100.9 NS-250w: KQYB 98.3
 St. Joseph: KCML 99.9 CC (NS)
 Walker: KQKK101.9 CC (NS)

MISSISSIPPI:

Aberdeen: WWKZ105.3 CC (ex WWZQ), FC
 to CHR (Tupelo)
 Clarksdale: WWUN101.7 NC to 101.5 - C3, RE
 Como: WRBO103.5 FC to R&B oldies (Memphis)
 Duck Hill: WAUM 91.9 LC
 Houston: WSYE 93.3 FC to Soft AC (&)
 Jackson: WTYX 94.7 SG "Arrow 94"
 Kosciusko: *NS 103.3 20.1 kW, 366 ft.
 Natchez: WASM 91.1 NO-RE

Mississippi:

New Albany: WRBO 103.5 NC to Como, MS, XC, RE
 Starkville: WMSU 92.1 FC to urban (Columbus)
 Tunica: WMP5 96.1 CC (ex WJOI), NW, hip-hop
 // KXHT (Memphis) (new format expected by July)
 Vicksburg: WJKK 98.7 SG "Love 98"
 Winona: WONA 95.1 QC from 96.7, PC> 10 kW
 515 ft.

MISSOURI:

Ashland: KOQL 106.1 PG> 69 kW, 958 ft, C1
 XG: 38-45-01 / 92-33-31
 Brookline: *NS 102.1 5.5 kW, 344 ft.
 Buffalo: KBFL 99.9 PG< 3.1 kW, 476 ft, C3
 XG: 37-31-14 / 93-06-14
 Kirksville: KTRM 88.7 LC
 LaMonte: KBFP 97.1 CC (NS)
 Moberly: KZZT 105.5
 SG "Oldies Radio 105.5 KZZT"
 Mt. Vernon: KHTO 106.7 PC< 13,979w, 449'

HOT106.7

The Ozark's HOTTEST Hits

Otterville: KOTT 107.7 CC (NS)
 Park Hills: *NS 91.1 10 kW, 574' (AFA)
 Perryville: *NS 89.1 AF
 St. Joseph: K209CT88.7 NS-170w: KSIV 91.5
 St. Louis: KSIV 91.5 PC>85 kW, 1027', C1
 St. Louis: KSD 93.7 FC to classic rock
 Salem: KKID 95.9 CC (ex KMMC)
 Springfield: KWFC 89.1
 Thayer: *NS 92.3 3.1 kW, 453 ft.
 Van Buren: *NS 91.3 100 kW, 472', DA
 Versailles: KTKS 95.1 SG "KS-95"
 Warrensburg: KCMW 90.9 PG< 97 kW, 443 ft.

MONTANA:

Baker: KJJM 100.5 CC (NS)
 Billings: KBEX 105.1 CC (NS), PG> 6 kW, 328 ft
 XG: 45-45-54 / 108-27-20
 Bozeman: *** 95.9 GA: add class C3
 Great Falls: K214DA90.3 NS-5w(v): WPCS 89.5 FL
 Hamilton: KUFN 91.9 NO-RE
 Kalispell: *NS 88.7 AF
 Superior: *NS 107.5 2 kW, -1443 ft.

NEBRASKA:

Fremont: KFMT 105.5 FC to classic hits
 Sargent: KNJP 92.1 NO-CX-DE

NEVADA:

Ely: KHIX 96.7 CC (NS)
 Gardnerville: KGVM99.3 NC to 99.1, CX CP
 Indian Sps: KPXC 99.3 NO-GX
 Indian Sps: *** 102.3 XA: add class A
 Las Vegas: KEDG103.5 FC to urban AC
 Winnemucca: KWNA92.7 PC> 470 watts

NEW HAMPSHIRE:

Concord: WVNH 91.1 NO-RE
 Farmington: WZEN106.5 CC (NS)
 Lancaster: WXXS102.3 NW, hot AC "Kiss 102.3"

NEW JERSEY:

Belvidere: WWYY107.1 CC (ex WRNJ) "Y 107"

New Jersey:

Camden: WKDN106.9 dec. to 551 ft.
 Egg Harbor Twp: WXGN 90.5 NO-RX
 Long Branch: WWZY 107.1 PC> 4.7 kW, DA
 Manahawkin: WCHR 105.7 NO-RE
 Newark: WCAA105.9 FC to Spanish tropical hits
 CC (ex WNWK) "Caliente 105.9"
 Sussex: WNJP 88.5 NO-RE

NEW MEXICO:

Farmington: KDAG 96.9 OSA to class C, 1007 ft.
 XG: 36-48-52 / 107-53-52
 Gallup: KBFF 101.5 CC (NS)
 Reserve: KNMA104.5 NO-RE
 Santa Fe: KRZN105.1 adds to JRN jazz (&)
 Santa Fe: KZXA 94.7 NO-RE

NEW YORK:

Briarcliff Manor: WWXY 107.1 PC> 1.9 kW, DA
 Calverton: WXXP105.3 NW, dance-CHR (E.LI)
 Endwell: WBBI 107.5 NW country "B 107.5" (Bing.)
 Fenner: *NS 90.5 7w, 413 ft.
 Hudson: WHVP 91.1 NW, c.Christian // WFGB 89.7
 Jewett: WAKX 97.9 CC (NS)
 Lowville: W261CP100.1 NS-10w: WOTT 103.1
 Malone: WNVN 96.5 GA: class A to C3
 Speculator: *** 96.5 GA: add class A
 Syracuse: WMHR102.9 inc. to 784 ft.
 XG: 42-58-01 / 76-12-00
 Truxton: WXXC 88.7 CC (NS)

NORTH CAROLINA:

Burgaw: WKXB 99.9 NC to 774 ft, XC, GE
 Greenville: W240AZ95.9 NS-50w: WBFJ 89.3
 Saltville: WASQ106.1 NO-GE, PG> 15.5 kW, 426 ft
 C3, XG: 36-19-50 / 81-35-00, CL: Jefferson, NC
 Scotts Hill: *NS 88.3 AF (Family Radio)
 Snow Hill: WAGO 88.7 NO-GE

NORTH DAKOTA:

Cavalier: KAOC105.1 OSA to C1, 100 kW, 764'
 Dickinson: KCAD 99.1 PG> 100 kW, 794 ft.
 Grand Forks: KJKJ107.5 inc. to 456 ft
 XG: 47-57-52 / 97-01-46

Grand Forks: KKXL92.9 PG> 100 kW, 358 ft.
 Harwood: KRKH100.7 CC (NS)
 Rugby: KVAG 95.3 NO-GE

OHIO:

Athens: WJKW 95.9 PG> 5.5 kW, 341', FA
 XG: 39-14-10 / 82-04-16
 Delhi Hills: WYJC 90.1 inc. to 371 ft
 XG: 39-12-28 / 84-49-17
 Mansfield: WVMC 90.7 PC> 170w (v)
 Rushville: *NS 88.5 1 kW (v), 138 ft.
 St. Mary's: WMLX103.3 PC< 950w, 823 ft.
 Urbana: *NS 89.1 AF (AFA)
 Washington C.H. WCHO 105.5 PG> 6 kW, 328 ft
 XG: 39-24-01 / 83-26-48

FIRST TO KNOW NEWS

KHUB/KFMT

1340 AM

105.5 FM

FREMONT

OKLAHOMA:

Ada: *NS 89.9 300w, 246 ft.
 Altus: KEYB 107.9 SD "108 Key FM"
 Clinton: KCLI 106.7 PA: class C1 to C2, CL:
 Okarche, OK
 Durant: KLBC 107.1 PA: to 106.3 - A
 Enid: KNID 96.9 adds ABC country (&)
 Frederick: KYBE 95.9 noted with standards
 Madill: KMAD102.5 PA: to 107.1 - A
 Nowata: KRIG 104.9 PG< 15 kW, 423', DA
 Poteau: KARG 91.7 LC
 Sand Springs: KTFX 102.3 OSA to C2, 50 kW, 492 ft.

OREGON:

Brookings: K208DC89.5NS-19w: KNDL 89.9 CA
 Cherryville: KLVP 88.7 PG> 3.7 kW (v), 1 w (h),
 1745ft, C1, XG: 45-20-01 / 121-42-45
 Florence: *NS 88.1 300w, 508 ft.
 Klamath Falls: KRAT-1 97.7 NS-560w(v)
 Ontario: KSRV 96.1 OSA to 708 ft.
 XG: 43-49-31 / 116-30-29
 Reedsport: KAUB 89.1 NO-RE
 Salem: KKRH105.1 FC to hot AC "Rosie 105"
 Seaside: KULU102.3 OSA to 102.3 - C3, PG >
 25 kW, XG: 45-57-08 / 123-56-14

PENNSYLVANIA:

Barnesboro: WHPA93.5 CC (NS)
 Bristol: WLBS 91.7 NW, standards & variety
 // WRDV (Philly)
 Carbondale: WCTP94.3 FC to country "Cat Country"
 CC (ex WSGD)
 Dallas: WCTD 93.7 FC to country "Cat Country"
 // WSGD 94.3, CC (ex WDLS)
 Johnstown: WQEZ 89.7 LC
 Lock Haven: WSNW92.1 CX CP for 3 kW, 328', XC
 Mansfield: WNBQ 92.3 CC (NS)
 Philadelphia: WXXM95.7 PG< 17 kW, 850 ft,
 XC: 40-02-30 / 75-14-24
 Pittsburgh: WDSY107.9 NC to 17.5 kW, GE
 Wilkes-Barre: WMGS 92.9 XC: 41-10-57 / 75-52-19

RHODE ISLAND:

Providence: WBRU 95.5 NC to 50 kW, 492, RE
 Wakefield: WXEX 99.7 FC to rock (Providence)
 Westerly: WBLQ 88.1 LC

SOUTH CAROLINA:

Atlantic Bch: WSEA 100.3 LC
 Bluffton: W219CB 91.7 NS-20w(v): KAWZ 88.9 ID
 Bluffton: WWVW106.9 CC (ex WIJY)
 Georgetown: WWXM97.7 inc. to 718 ft.
 XG: 33-35-45 / 79-03-11, CL: Garden City, SC
 Ladson: WJNI 106.3 NO-GX, CC (ex WRLO)
 Murrell's Inlet: WHGB 88.3 LC
 Newberry: WDXZ106.3 PG< 6 kW, class A
 XG: 34-16-39 / 81-46-12
 Parris Island: WGZO92.1 QG to 103.1 - C3, PG>
 17.5 kW, 328', XG: 32-26-10 / 80-55-23

SOUTH DAKOTA:

Aberdeen: KBFO106.7 CC (NS)
 Milbank: KKSD104.3 CC (ex KPHR)
 Sioux Falls: KRRO103.7 PG< 38 kW, 394 ft.
 XG: 43-27-28 / 96-40-14
 Wessington Sps: KGGK 98.3 NO-GE

TENNESSEE:

Benton: WOCE 93.1 CC (ex WBIN), FC to a/c
 Johnsonville: W220CC 91.9 NS-10w: KAWZ 88.9 ID
 Minor Hill: WEUP 92.1 CX CP for 2.6 kW, 479 ft.
 Nashville: WNRQ105.9 CC (ex WLAC),
 "The Rock @ 105.9"

TEXAS:

Aransas Pass: *NS88.1 AF
 Bastrop: KYCM 88.5 LC
 Beaumont: KAYD 97.5 PG< 50 kW, 321 ft.
 XC: 30-03-52 / 94-07-12
 Big Sandy: KBAU 90.7 noted on, with jazz
 Bonham: KFYZ 98.3 PG< 5.5 kW, 686 ft
 XG: 33-37-30 / 96-20-03
 Borger: KQTY106.7 CC (NS)
 Bridgeport: *NS 90.5 200w(v), 115 ft. (AFA)
 Brownfield: *NS 88.5 4.5 kW, 377 ft.
 Burkburnett: KYIY104.7 SG "104 The Bear"
 Callisburg: KPFC 91.9 NW, hot AC
 Cleveland: KKTL 97.1 inc. to 1847' granted
 class C, XG: 30-32-06 / 95-01-04, actually inc.
 to 984' (the above was a grant)
 College Stn: KTSR92.1 NC to 95.1 - 50 kW, RE
 Daingerfield: KKLK106.9 FC to AC // KALK 97.7
 PG< 1950 watts
 Galveston: KLTP 104.9 FC to Spanish romantica
 // KOVE 100.7
 Harker Hts: KYUL105.5 CX CP for 7.8 kW, C3, DA
 Henderson: KDVE 99.9 SG "The Lonsome Dove,
 Real Country"
 Hondo: KRBH 98.5 NO-RE
 Houston: KKPN102.9 FC to regional Mexican
 Houston: KUHF 88.7 inc. to 1719 ft
 XG: 29-34-27 / 95-29-37
 Ingram: *NS 90.1 NO-GE
 Jasper: KWYX102.7 SG "Ranch 102.7, Texas
 Best Country"
 Kerrville: KITE 92.3 FC to ABC classic rock (&)
 Kerrville: KKER 91.1 LC
 Linden: KIXK 99.3 NO-GE
 Lubbock: KONE101.1 FC to WW1 soft AC (&)
 Luftkin: KAVX 91.9 PG> 23 kW, 728 ft.
 Olney: KRZB 97.5 NO-GE
 Pt. Arthur: KLTN 93.3 FC to regional Mexican //
 KKPN, new format expected soon.
 Pottsboro: *** 102.5 PA: add class C3
 Rosenberg: KLTO 104.9 FC to romantica // KOVE-FM
 Sanger: KXIL 104.1 FC to alternative // KKZN
 Stephenville: *NS 89.7 AF
 Taylor: KKI104.3 FC to dance-CHR "The Beat"
 PG< 48 kW, ND, XG: 30-26-04 / 97-21-53
 Winfield: KALK 97.7 FC to WW1 AC (&)
 Yuma: KYRM 91.9 NO-RE

WBXZ-FM DIXIE 106.3

1201 Narco Street, P.O. Box 1036, Newberry, South Carolina 29108
 Phone (803) 276-1002 Fax: (803) 276-6839



UTAH:

St.George: KEOI 99.7 FC to WW1 country (&
XA: to 99.9 - C
St.George: KSNN 93.5 OSA to C2, 2.4 kW, 1893 ft
XG: 36-50-49 / 113-29-28
Salt Lake City: K252DI 98.3 NS-160w: KRAR

VERMONT:

Middlebury: WGTK100.9 PA: A to C2, CL: Berlin, VT
St.Johnsbury: WCKJ90.5 NO-GE
Springfield: WCFR 93.5 FC to clas. hits // WMXR
Vergennes: WXPS 96.7 GA: to class A, Willsboro, NY

VIRGINIA:

Jonesville: WJNV 99.1 CC (NS)
Luray: WMXH105.7 FC to hot AC "Mix 105.7"
CC (ex WLCC)

Manassas: WJFK106.7 CX CP for 50 kW, 462', DA
Saltville: WASQ106.1 NO-RE
Tazewell: WKQY100.1 FC to oldies // WKQY-FM

WASHINGTON:

Aberdeen: K201DM88.1 NS-50w: KAWZ 88.9 ID
Camas: KNRK 94.7 PG> 17 kW, 850', DA, C2
Castle Rock: KRQT 107.1 adds ABC clas. rock (&
Eatonville: KKBV 104.9 PA: class A to C3
Moses Lake: KWIQ100.3 PA: to 104.9 - C1
Naches: KZTA 96.9 PG> 530w, 1063 ft.
Quincy: KYAK 95.9 NO-RE
Richland: K214DB90.7 NS-18w(v): KEPI 88.7 TX
Seattle: KZOK102.5 NC to 58 kW, 2342', GE
Seattle: KNDD107.7 PC< 47.3 kW (h), 49.8 kW (v)
2342', DA, XC: 47-30-14 / 121-58-29

South Bend: KFMV105.7 OSA to C2, 14 kW, 922' DA
Sunnyside: KZTB 96.7 PG> 6 kW
Wenatchee: KKRVI104.9 PA: to 100.3 - C2
Yakima: KRSE 105.7

WEST VIRGINIA:

Lost Creek: WOTR 96.3 PC> 6 kW (h)
Salem: WAJR103.3 CC (NS)

WISCONSIN:

Appleton: WAPL105.7 PG< 29 kW, 413 ft
XG: 44-15-37 / 88-22-00

Coon Rapids: *** 103.9 XA: add class A
Westby: *** 103.9 GA: add class A

WYOMING:

Casper: KASS 106.9 NC to 1765', XC, GX
Cheyenne: KZCY 104.9 LC
Ethete: KWRR 89.5 NO-GE
Green River: KFRZ92.1 CC (NS)
Pine Bluffs: KASX 105.3 NO-RE
Sheridan: KSUW 91.3 LC

U.S. TERRITORIES:**MARIANNA ISLANDS:**

Garapan: KZMI 103.9 inc. to 827 ft, C3
XG: 15-11-00 / 145-44-06
Garapan-Saipan: "NS 101.1 inc. to 827 ft,
XG: 15-11-00 / 145-44-06

GISBORNE'S

89FM

89.3FM

PUERTO RICO:

Ceiba: WIAC-2 102.5 NS-80w
Culebra: WXXZ 98.7 NW, Spanish religion
Mayaguez: WRUO 88.3 NO-RE

VIRGIN ISLANDS:

Charlotte Amalie: WVJZ 105.3 CC (ex WVGW)
FC to urban "Jamz"

Christiansted: WAVI 93.5 FC to calypso/
reggae/tropical



CANADA

ALBERTA:

Calgary: CHKF 88.9 CC (NS) wants 94.7
PG> 53 kW, XG 15 km NW of Calgary.

This may be an Asian ethnic station

High Level: "NS 102.1 8,765w, // CKYL,
except for 6-11am (appl)

BRITISH COLUMBIA:

Courtenay: CFCP1440 wants 98.9, 5 kW
Cranbrook: "NS 107.5 10 w. campus stn wanted
Fort Fraser: applies. for these translators: CBU-FM
(95.1), CISM-FM (93.1), CFMI-FM (90.1),
CIRK-FM (94.1). Power is 36 watts

White Rock: "NS 94.5 50w, would provide
information on high-occupancy vehicle lanes.
The official "community" designated in the notice
is:

"TRANS-CANADA HIGHWAY BETWEEN THE
PORT MAIN BRIDGE IN COQUITLAM AND THE
VANCOUVER/BURNABY BORDER, B.C." (!!!)

MANITOBA:

Steinbach: "NS 96.7 50 kW
Thompson: CINC 96.3 applied for many xtrs -
see the notes section below

Winnipeg: "NS 95.9 450w campus stn wanted

NEWFOUNDLAND:

Mt. Pearl: "NS 92.3 50 w, tourist info

NORTHWEST TERRITORIES:

Iqaluit: "NS 93.3 100w, wx stn wanted

ONTARIO:

Cornwall: CJSS 1220 wants 101.9, 3 kW
Hamilton: CIOI 101.5 NW, mostly alternative
SG "C 101.5"

Iroquois Falls: "NS104.9 50 w relig. station wanted

Iroquois Falls: "NS101.1 2 watt stn. applied for

London: CKSL 1410 wants 102.3, 4.6 kW

London: CBCL 93.5 CBC wants to original a min.
of 2.5 hours a week at this station, rather than
be a total relay of Toronto.

Marathon: CFNO-4 107.1 QG to 100.7, PG> 130w
XG: (a move 3 km to the north)

Ottawa: CHRI 99.1 PG> 25.3 kW

St.Catherines: C???90.7 NW, TIS, very weak

Sarnia: CKTY 1110 wats 106.3, 35 kW

Thunder Bay: "NS 95.1 50w relig. station wanted

Thunder Bay: "NS 91.7 30 w relig. station wanted.

QUÉBEC:

Drummondville: CHRD 105.3 wants PG< 2.9 kW

Kuujuuaq: *NS 98.3 10w: CHOZ 94.7 NF

Mont-Tremblant: CIME-2 103.1 NW,

French AC // CIME

Quebec City: CHOI 98.1 wants PG< 40 kW, XG

Saint-Remi: *NS 88.9 1 watt comm. station

Ste-Adele: CIME 103.9 QC from 99.5, PG< 630w

CL: St-Jerome, PQ

Ste-Georges-de-Beauce: CKRB 1460 wants 103.3,

2.175 kW

Ste-Marie-de-Beauce: CJVL 1360 wants 101.3, 4677w

Sherbrooke: *NS 100.3 2.3 kW, // CIRA-FM

"Radio Soleil-Estrie"

Theftord Mines: CKLD 1330 wants 105.5, 3 kW

Victoriaville: CKDA1380 wants 101.9, 1.35 kW

LITE 96 CHFM

• The National Hockey League (NHL) asked for temporary FM licenses in Detroit and Washington in conjunction with the Stanley Cup playoffs. These would be indoor arena broadcasts during the series, with the calls "WN2XHL". Frequency would be 88.1. So if you heard an unusual broadcast near these areas, this is what it was. No word on exactly how they intended to use the license.

• Dan Cashin sent in some interesting articles on radio from the *Philadelphia Inquirer*. One article describes WVLS in Monterey, Va. which signed on the air in 1995, with only 200 watts (89.7) in this small Shenandoah Valley town. It's sister station is WVMR-1370 Frost, W.V. from which WVLS gets its programming until 6 p.m. The format is varied, anything from country to new age, to rock. WVLS signed on as part of the three station "Allegheny Mountain Radio Network" and operates with a \$52,000 annual budget. The station proved very useful during the serious flooding of 1996, for this area where local radio and TV is so sparse. In case you were wondering, WVLS stands for "Virginia's Little Switzerland", a name given to the Highland County area, because of its high elevation, and very snow winters (for Virginia) .. Another article deals with the recent demise of classical music radio WFLN, 95.7 in Philadelphia (they're now "modern AC" WXXM "Max"). There has been a trend in recent years towards commercial classical music stations giving up the format, which troubles some fans of that type of music. Dave Conant, of the former WFLN, is more optimistic, however. When WFLN changed

format, public radio station WRTI 90.1 picked up Conant and some others from WFLN, and added classical music to their schedule from 6am to 5:30pm weekdays, and Saturdays from 11am to 6pm. This paid off for WRTI, as they beat Philly's two other public radio stations (WHYY 90.9, WXPB 88.5) for the first time ever in the ratings. Despite a backlash from some listeners for restricting its popular jazz programs to fewer hours, WRTI's revenue from its membership drive increased from \$150,000 to \$340,000. The station now plans to move into Temple U.'s new Apollo sports complex. WRTI may also be gaining assistance from the fact that WHYY 90.9 is moving away from classical, and more towards a news and information format. WWFM 89.1 Trenton (with a translator on 107.9 serving parts of Phila.) runs classical programming from syndicated sources, such as WFMT's Chicago Beethoven Satellite Network, but WWFM's signal does not reach all of Philadelphia... Another article in the *Inquirer* discussed Stephen Dunifer of "Radio Free Berkeley". If you have not heard of Stephen, he operates that station in Berkeley, CA, with mostly what could be described as activist-oriented programming. He has also taken up the "cause" of promoting micropower stations all over the country, of which he thinks there are now upwards of 1,000. (his web site: <http://www.freeradio.org>). Another interesting twist in this case is that he is the only one that I know of, at least, that has won the battle against the FCC, so far. Twice, a federal judge in California has refused to grant FCC's attempts for an injunction against Dunifer's station. U.S. District Judge Claudia Wilkin has yet to rule on Dunifer's broader constitutional claim for "free broadcasting".

• Some updates from Dennis Smith: he confirms some recent format changes, such as 107.3 in Grover City, CA becoming smooth jazz KQJZ, and KOJJ 100.5 being all Spanish, as "*La Maquina*". The 106.9 Santa Barbara translator of KMRO 90.3 continues to have trouble with interference from XHTZ 90.3 Tijuana. And thanks to some sentiment in the area, 107.7 returned to the more traditional calls of KIST ("*Kissed*"), which were in the area on AM for 60 years. A station spokesman said "Our listeners missed the KIST call letters so we applied immediately to reclaim them." Dennis also noted the May 19th demise of the Galaxy 4 satellite. While listening to an apparent new LPFM on 100.9

in Wasco, Dennis heard conjecture that it was a solar flare that disrupted this satellite. He has heard that solar flares can retard Es in the summer time, and notes that there was not very much skip in that period. (Can anyone comment on this?)

• In recent testimony before the Senate Subcommittee on Communications, on June 10th, FCC Chairman Bill Kennard spoke about the pirate situation. He claims that the FCC has shut down about 200 stations, and has a "state-of-the-art" inventory of the remaining pirate stations, which he estimates at about 100. Pirate radio advocates, however, place their estimate closer to 1,000.

• Speaking of pirates, David Cox has an update on the "WSGN" pirate mentioned earlier this year in FM NEWS. This pirate, on 1630 & 100.1 in the Birmingham, AL area was running Tuesday evenings from 7 - 10 p.m. David checked the final Tuesday and May and found no sign of WSGN on 1630. However, he did hear a 100.1 playing 60s music, but jingles, commentary, or commercials - just dead space between songs. Since WSGN played 60's music, and the signal strengths were similar, David suspects this is still WSGN-FM. Thanks for keeping us posted!

• More pirate news (I didn't think I would have that many, so didn't make it a "formal" part of the column this time, but maybe I should have!) ... Ken Simon reports that 96.1 in W.Palm Beach, "WILD", is still active with an urban format, and acting just like a commercial station. One spot urges listeners to contact the FCC, demanding WILD be granted a license.

• Chip Kelley notes that most of the Shreveport market stations use a dual ID of "Shreveport-Bossier", even though the latter city is actually Bossier City. I've noted this a few times myself, I believe. In a somewhat similar example, some of the station on the Niagara Peninsula of Ontario (generally defined as between Hamilton and the Niagara River), ID as simply "Niagara", rather than St.Catherines, Welland, etc. Chip was also kind enough to send a wealth of format and slogan information from TX-LA-MS, which appears above in the appropriate states' listings.

• Doug Smith sends information on digital radio grants in Toronto. The following conditions of licensing were placed: "the undertaking use no more than 20% of the digital capacity of the 1.5 Mhz channel specified for use by the geographic grouping of broadcasters to which the undertaking belongs" (Doug comments: "Three

of these frequencies accomodate five stations each. Limiting each individual station to 20% of channel capacity ensures that all five stations get a fair share of the bandwidth). Another condition: "each digital radio signal broadcast by a transitional DRU associated with an existing AM or FM undertaking be broadcast from a single primary digital radio transmitter that is located so as to ensure that the resulting digital radio coverage area does not exceed the lesser of (a) the licensee's corresponding FM or daytime AM coverage areas (that is, the 0.5 millivolt per metre coverage area for both AM and FM stations), or (b) the digital coverage area allotted to the licensee under the Department of Industry's spectrum allocation plan, unless otherwise authorized by the Commission."

- 1456.304 Mhz:** CHUM 1050, CHUM 104.5, CFTR 680, CHFI 98.1, CFNY 102.1
1458.048 Mhz: CFRB 1010, CKFM 99.9, CJCL 1430, CJEZ 97.3, CJRT 91.1
1461.536 Mhz: CJBC 860, CJBC 90.3, CBL 740 CBLA 99.1, CBL 94.1
1465.024 Mhz: CISS 92.5, CHOG 640, CILQ 107.1, CHIN 100.7

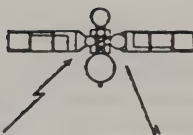
All stations will have a power of 5,084 watts, with the transmitters to be located on the CN Tower. Thanks also go to Doug for sending in quite a bit of the other Canadian info this month.

• The following, also provided by Doug, is a list of translators applied for by **CINC-FM 96.3** Thompson, Manitoba:

Location (all Manitoba:)	Freq:	kW:
BERENS RIVER	96.9	9.4
CROSS LAKE	93.5	9.4
FORT ALEXANDER	100.3	9.4
GARDEN HILL	96.9	4.4
GOD'S LAKE NARROWS	93.5	8.7
GOD'S RIVER	96.9	8.7
LAC BROCHET	96.9	8.9
NELSON HOUSE	96.9	8.7
PEGUIS	100.9	8.1
POPLAR RIVER	96.9	8.9
PUKATAWAGEN	96.9	8.7
RED SUCKER LAKE	96.9	8.9
SHAMATTAWA	96.9	4.3
TADOULE LAKE	96.9	8.9
WABOWDEN	96.9	8.7



SATELLITE NEWS



GEORGE W JENSEN
4604 ANNTANA AVE
BALTIMORE MD 21206-4220

R I P - Galaxy 4. The satellite lost control abilities and was no longer geosynchronous and had to be taken out of service on May 19, 1998. Probably as my June column arrived at the publishers. Galaxy 6 was moved from 74 West and is currently replacing Galaxy 4. Changes will be indicated - where possible - in this column.

Now to all the changes -----

Satcom C1 -

11 - Deutsches Welle has been noted here
KSL in Salt Lake City has been noted as a 4DTV subcarrier at 952.

Satcom 4 -

12 - ZDTV - new

Galaxy 1 -

22 - Nostalgia is now Goodlife television Network

127 - More Max - East

128 - More Max Mountain

129 - More Max - West

130 - Action Max - East

132 - Action Max - East

133 - Thriller Max - East

135 - Thriller Max - West

Anil - E-1

10 - RTP - Lisbon, Portugal from Galaxy 6 old location

Anik E-2 -

5 - VCC - VIdeo Catalogue Channel - from old Galaxy 6

GE 1

7 - Cornerstone etc. delete - change to Spacenet 4 - 19

607 - Outdoor Life - now Hero Teleport TP

Spacenet 4 -

19 - now Cornerstone Television - WPCB - Greensburg/

Pittsburgh, Pennsylvania

952 - WCBS - FM New York City, New York -

Galaxy 6 - now at 99 West -----

5 - Shepherd's Chapel - National Christian Network NCN

8 - Much Music VC2

15 - World Harvest Television

CBS feeds resume on 16, 17, 18, 19 and 20

The G4 Ku-Band will not be replaced - Galaxy 6 has none...

Telstar 5 -

18 - Warner Brothers from G4

20 - Buena Vista from G4

Galaxy 3 --

15 - Reuters News - London - occ.

17 - More Max - East VC2

Ku

14 - CCTV4 - Peking, China from G6 Ku

18 - Jade TV - Hong Kong NOT SCRAMBLED - from G4 Ku

Galaxy 7 - 22 - CBS News Channel from G4

405 - delete Golf Channel

Ku

26 - National Westher Network

400 - Classic Sports

401 - Outdoor Life Network

402 - Outdoor Channel

403 - Fit TV

600 - Ovation

601 - Kaleidoscope

602 - TV Food

604 - America's Health Network

Telstar 402 -

SHOWTIME.
NO LIMITS

www.showtimeonline.com



Ovation—The Arts Network

Ovation



THE ARTS NETWORK

Telstar 402 -
 20 - Worldwide Television News feeds
 970 - Adam and Eve
 971 - Spice
 972 - Hot Spice
 Ku -
 640 - 643 - Georgia Public Television
 820 - WSCI
 821 - South Carolina Educational Radio Network
 822 - WSCI
 823 - South Carolina Educational Radio Network
 GE 3 -
 6 - Midwest Sports Channel - VC2 from old G6
 14 - CNN Feeds
 20 - delete Gem Shopping Network -
 add - University Network - Dr. EuGene Scott from
 old G6
 GE2 -
 11 - new Emirate Television service from Abu Dhabi
 Spacenet 3 -
 3 - HTN - Hollywood Television Network - shopping
 channel
 19 - Gospel Music Network - from old G6
 The Gem Shopping Channel may be on Galaxy 3 - 12???????



That's all for this go-round - Hope to see you all in 30
 E-Skip is back - good openings on 3 to South Dakota,
 Florida and Cuba.
 "73's

George

OFF-AIR BROADBAND TV RECEPTION



An antenna must be carefully chosen. Since surrounding terrain, distance from the transmitters and specific channel reception characteristics vary by location, a bigger antenna is not always a better antenna. Experience or trial and error is the best teacher when determining proper antenna system components and placement. Our off-air antennas are manufactured by Channel Master a proven leader in TV reception products.

In some areas and depending on the number of TV sets to be connected, an amplifier for the antenna will significantly improve the reception quality. An antenna performs best if mounted above the roof-line but unfortunately, this is far from the most aesthetically pleasing location. In situations where the aesthetics are important or where there may be covenants prohibiting outdoor antennas you can mount the antenna within the attic space to provide reception of the local off-air channels. If you live substantially outside your metro area, a larger, more powerful antenna and/or amplifier may be necessary.

In the event that you do not have an antenna system (or will not subscribe to basic cable TV for local off-air area reception), you should consider Channel Master antennas and amplifiers to get the job done.

Channel Master offers 3 different lines of off-air antennas, *QUANTUM*, *CROSSFIRE* and *CHANNEL KING*.

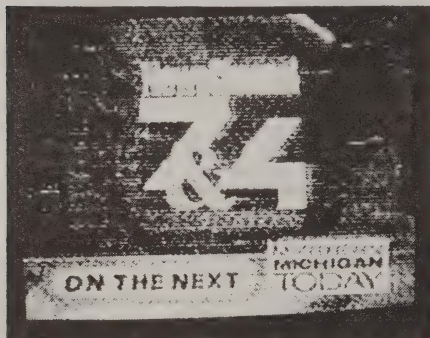
PHOTO-NEWS

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Baton Rouge, LA 70817
JTKruszka@worldnet.att.net

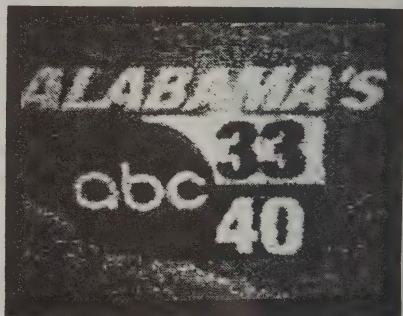
July 1998

Tropo was AWESOME here in the Gulf in May, and I hope to have some photos from Gulf-area Dxers in a few months to show you. I have some good stuff on tape which I'll be photographing soon. Thanks to all of you who have sent in photos recently; watch for them in the VUD soon. Hope you're all getting mucho E-skip! Here's the last of a batch of photos from Danny Oglethorpe, Shreveport, LA:

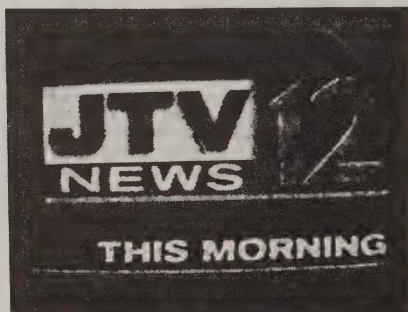
Multiple channel IDs



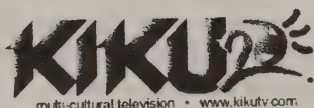
WTOM-4 Cheboygan, MI
1042 mi Es seen 8/4/97
@1020 CT
"7 (WPBN) and 4"



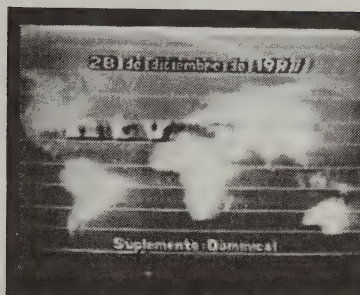
WJSU-40 Anniston, AL
468 mi Tr seen 10/29/97
@0825 CT
"ID with WCFT-33"



WHLT-22 Hattiesburg, MS
274 mi Tr seen 10/29/97
@0855 CT
"Rebroadcasts WJTV-12 news"

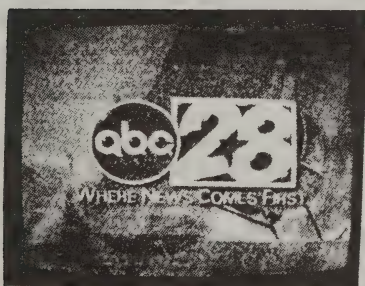


Cuba

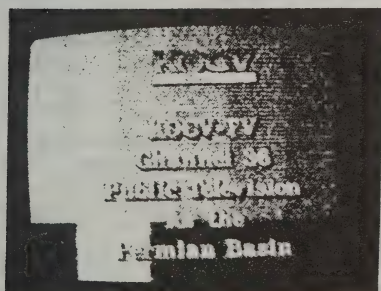


Cuba - 2
? mi Es seen 12/28/97
@1200 CT
"TeleRebelde"

West Texas tropo



KAMC-28 Lubbock, TX
476 mi Tr seen 3/25/98
@0815 CT



KOCV-36 Odessa, TX
505 mi Tr seen 3/25/98
@0715 CT



KJTV-34 Lubbock, TX
476 mi Tr seen 3/25/98
@0800 CT

(continued on page 37...)

NORTHERN FM-DX

GREG CONIGLIO
90 SLATE CREEK DR. APT #3
CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA,NH,VT,CT,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID,WA,OR,AK,Canada
JULY 1998 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark

Some e-skip has surfaced in May, but it certainly hasn't been a super season, at least yet. There have been enough openings to make things interesting, at least. So far, June 1st looks like it has been the highlight of the skip season. On the tropo side of things, some nice coastal openings were present in mid-May. Check out Steve Solomon's report for a record setting path from Massachusetts to Florida! Oh, if you're reporting to the AMFMTV DX e-mail list server, don't forget to also report to this column! I have seen some nice loggings mentioned in that forum that were not reported to the VUD. I like to have a report sent directly to me, with 'NORTHERN FM DX' or something similar in the subject header, so I can quickly distinguish it from all the other interesting mail generated from the DX lists. Hopefully the skip will really pick up in June, to make up for last year. If you do have some DX, why not let us know with a report! We are all looking forward to reading about what you heard & saw!!! ...

STEVEN SOLOMON - 31 VERNON ST. #4 - HYANNIS, MASSACHUSETTS 02601

(508) 771-8053, E-MAIL: cool102@capecod.net Equipment: Yamaha T-85 w/5 150kHz khz filters. Also: Antenna: Channel Master 4408 (Stereo Probe 9, 15 feet HAAT)

MAY 1998 DX

15 Tr

0812 99.1 WVOD Manteo NC "THE SOUND" 520
0819 107.5 WKHI Exmore VA over local WFCC
0823 106.9 WAFX Suffolk VA
0828 106.5 WSFL New Bern NC "BIG SHOW" 620
0835 105.7 WRSF Columbia NC "DIXY 105.7" 550
0844 104.9 (UNID) "PRAISE 105"
0851 103.3 WMGV Newport NC "V-103" 620
0855 103.1 WSLG NAPLES FL "RECORD TROP"

NOTE 1 (Nice catch, Steve!-gc) 1320

0918 103.1 (UNID) SMOOTH JAZZ
0931 97.1 WYND Hatteras NC 550

JUNE 1998 DX

1 Es

1807 92.9 WAAC Valdosta GA "C-93"
1810 94.7 WTYX Jackson MS "Arrow94.7"
1817 95.5 WKTF Jackson MS "Catfish"
1823 95.9 WTWX Guntersville AL -Boaz mention
1825 95.7 (UNID) CHR "Channel Z-95.7"
(KCHZ Ottawa-Kansas City-grc)
1825 95.7 KSSN Little Rock AR "Kissin' 96"
1828 93.1 KQID Alexandria LA CHR Q-93
1830 95.9 WCNA Potts Camp MS
1837 98.7 (UNID) AC "Love 98"
(WJKK Vicksburg, MS - grc)

CLASS103FM

NOTE 1: Record Trop(1320 miles) No E-skip signals at all, while costal Carolina came blaring through! WSLG Naples-steady 10% signal for a good 30 minutes. Taped!

NOTE 2: Record E-skip (1850miles) Verified by Mediabase data research. (I know person who monitors that station and matched song and liner to exact time!!) I was in Austin in March and also heard same liner voice. Another catch that I still can't believe I was hearing! Taped.

(Steve, those are some nice catches there. Thanks for sharing them with us, and hope to hear from you again! - grc

June 1st Es cont.

1838 98.7 WNNS Springfield IL 1070
1842 99.5 KKMA Le Mars IA
1843 99.5 WKSM Pensacola FL "99 ROCK"
1845 99.7 WJMI Jackson MS "99-JAMZ"
1849 100.3 KDVV Topeka KS 1552
1853 100.7 WUSY Chattanooga TN "US-101"
1859 92.9 WZGC Atlanta GA
1904 96.5 WXJB Harrogate TN
1904 96.5 (UNID) "THE MOUNTAIN"
(WDDO Chattanooga, TN - grc)
1905 97.1 KXOK Florissant MO "MIX 97.1"
1908 98.3 WFMR Menomenie Falls WI 1182
1913 100.5 KIKN Salem SD "Kickin' country" 1450
1920 92.9 KTGL Beatrice NE
1925 97.7 (UNID) "Classic Rock 100"
Huntsville, AL mention
1929 93.9 KIAI Mason City IA 1200
1943 92.5 KJJY Ankeny IA 1200
1945 94.7 KNEN Norfolk NE 1520
1952 98.5 KQKQ Council Bluffs IA 1500
"SWEET 98"
2000 95.7 KROA Grand Island NE 1520
2007 93.1 KKYA Yankton SD 1520
2008 93.9 KSOU Souix Center IA 1500
2012 94.7 KAMX LULING TX AC MIX 94.7
RECORD E-SKIP! NOTE 2 (Nice!-gc) 1850
2200 93.1 WWGM Alamo TN
2205 93.9 KSPQ West Plains MO "Q-94"
2210 94.7 KTTS Springfield MO
2210 94.7 KSHE Crestwood MO "K-SHE"

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner with two CM Stereo Probe 9 antennas and rotors at 38 and 32 feet above ground separated at 23 feet, with use of Bolin phase box.
All stations in \$ unless noted mono. *Denotes use of phase box.

October 1997 (CDT)

4 ms
?? WPSM 91.1 FL Fort Walton Beach, 678
(verified by phone) "Psalms-FM"

12 gw
2000 WOEI 88.9 IN Union City, gr, 30
(first day of testing)

19 tr
0057 WKMD 94.1 IN Loogootee- 132
ex-94.3 Washington-Jasper, rp

21 ms
?? WNSB 91.1 VA Norfolk

November 1997 (EST)

15 ms
0018 KLIR 101.1 NE Columbus

16 ms
?? unID 97.3 ?? ?

16 tr
0700*WTIM 97.3 IL Taylorville, 212
t mono.
(o/WMEE 97.3 IN Fort Wayne)

62

December 1997

9 ES

1830 KNTU 88.1 TX Denton, nx

1835 KGNC 88.1 TX Abilene, nx

10 ES

2009 KUT 90.5 TX Austin, t

13 tr
0258 WFRI 100.1 IN Winamac, g, 88
(//WFRN 104.7 & WFR 93.7)

14 tr
0235*W258AI (xltr of WGXM 98.1) "Flyer 67
(legal ID) 99.5 OH Dayton, 100w Radio"
(o/WZPL 99.5 IN Greenfield-Indy) 50

18 gw
2000 WBSH 91.1 IN Hagerstown- 24
New Castle, c
(//WBST 92.1 IN Muncie)

29 ES

2031 KIOX 96.9 TX El Campo, k 979

2032 KOYE 94.9 TX Laredo, k 1193

2038 KPLV 93.3 TX Port Lavaca, k 1025

2045 KSAB 99.9 TX Robstown, kl 1109

2050 KFRQ 94.5 TX Harlingen, ads 1201

2103 KOIR 88.5 TX Edinburg, l, SS 1211

2130 KONO 101.1 TX Fredericksburg, o 1023

30 gw
0000 WXXP 97.9 IN Anderson, 16

(s/off forever)

It was certainly nice that my local in Anderson, IN was off the air for nearly a month. I recorded 97.9 everyday and had some good results. Luckily, this coincided with the quadrantids meteor showers. The peak was on January 3rd between 1700-1800, a very unusual time for meteor activity. I was under the impression the Leonids shower was on November 15th. Bill Thompson says the 17th in his article. I taped nightly, 15-17. The 17th was slightly better than the other two days, but little activity. Maybe next year?

WOEI 88.9 IN Union City, was testing for a few weeks in October, mostly nights. This station has never come on the air full time as yet. WDPG 89.9 OH Greenville, has been off and on sporadically, due to transmitter problems. What the hell is wrong with WAYK 88.3 MI Kalamazoo and WUFM 88.7 OH Columbus? I've tried for both these stations hundreds of times and no trace of anything! They must have extremely weak power in my direction, if they really are on the air.

- continued -

31 trs (Dec. cont'd)

0500 WXEF 97.9 IL Effingham, r, 184
ex-97.7

2000 KICK 97.9 MO Palmyra, k, 326
"Kick-FM"

January 1998

3 ms (Quadrantids)

0203 WFSJ 97.9 FL St. Augustine- 758
Jacksonville, sm. j

1718 KGNC 97.9 TX Amarillo, k 962

1734 KYTX 97.9 Beeville- 1078
Corpus Christi, o

3 trs

1820 KBBB 97.9 MO Sikeston, k, 322
(verie by phone) "New Country- B-98"

3 gw

2200 WBSJ 91.7 IN Portland, c, 27
(//WBST 92.1 IN Muncie)

4 ms

?? KGNC 97.9 TX Amarillo 962

9 ms

?? KGNC 97.9 TX Amarillo 962

13 tr

1730 WQKZ 98.5 IN Ferdinand, k, 156
"KZ-98.5"

15 ms

?? KTAG 97.9 WY Cody 1245
(a club ms record)

15 ES

2037 WMCU 89.7 FL Miami, g 1040

19 ms

1715 KBFB 97.9 TX Dallas, 815
Previous Es

24 ms

?? WFSJ 97.9 FL St. Augustine- 758
Jacksonville

26 gw

0600 WGMR 97.9 IN Anderson-Indy, g 16
"Your Light for the Crossroads"

(first day on air - Moody Bible)

February 1998

8 tr

0357*WMLX 103.3 OH St. Marys-Lima, r 60
(o/WRZQ 103.3 IN Indy) 50

April 1998

2 ms

?? WCNO 89.9 FL Palm City, 944
(ex-Es in FL Stuart)

(WDPG 89.9 OH Greenville, off)

METEOR SCATTER LOGGINGS:

10/04 WPSM "...and the music that you help make possible. We're listener supported 91.1 Psalms-FM..."

10/21 WNSB "...Norfolk State University Public Broadcasting is WNSB 91-FM. What was just heard was from John..."

11/15 KLIR "...Here's what's happening on KLIR. Hi! This is..."

11/16 unID "...from Star-97 FM..."

1/03 WFSJ "...You're listening to North Florida's only 24 hour smooth jazz radio station. Smooth jazz 97.9 WFSJ St. Augustine-Jacksonville..."

(All caught on tape!)

1/03 KGNC "...KGNC FM-98 - 4:18..."

KYTX "...KYTX 97.9 the great oldies. Number one oldies of the 60's all day long. When A Man Loves A Woman..."

1/04 KGNC "...and Washington Street in Amarillo..."

1/09 KGNC "...in Amarillo..."

1/15 KTAG "...Tag-97.9..."

1/19 KBFB "...49 in Fort Worth. It's also 49 in Las Calinas. Party radio, the new B-97.9 FM. Now, 25 more minutes of continuous soft rock..."

1/24 WFSJ "...Smooth Jazz 97.9..."

4/02 WCNO "...WCNO..."

MUNCIE'S 107.5 FM IS BUSTED BY FCC

Last fall a car was seen being driven in Muncie with a sign in the back window reading 107.5 FM. It finally dawned on someone that a resident in the northeast section of Muncie had a huge tower in their backyard. A quick trip to this residence and - bingo! Not only was the car in the driveway, but a blue paneled truck was also in the driveway with a sign in the back window reading 107.5 FM. A quick trip to the Ball State library showed that residents at 1405 E. Robin Lane were David L and Carolyn Costello. Then a look in the Ball State directory proved even more interesting. David L Costello in the Chief Engineer for VIS (Video Information Systems), in the basement of Bracken Library on the Ball State University campus. VIS is a service whereby a faculty member can take a video to the library and have it shown in the classroom where you are teaching. VIS also has the capability of picking up satellite TV stations for viewing in buildings on campus. Therefore, this is right up Mr. Costello's alley!

On a beautiful sunny October afternoon, someone walked down the railroad tracks behind the Costello residence with a polaroid camera. Pictures of Mr. Costello's 200 foot tower and the satellite dish he was using to pick up the American Freedom Network in Denver, CO were taken. The pictures, Mr. Costello's residence and work phone numbers, license plate numbers of his car and truck, as well as an easy to read map directing the FCC to 1405 E. Robin Lane, were all sent to the FCC by the informant. In late November, David L Costello received his letter from the FCC to cease and desist. Finally, on December 2nd, the 107.5 signal was gone. I don't know if the letter scared him off or if it was the fact that the building housing the American Freedom Network in Denver was gutted by a huge fire. The fire was attributed to an overheated hot plate that had been left on in an apartment in the rear of the building. However, on Christmas eve at 1700 EST Mr. Costello put his signal back on the air. This time he was rebroadcasting a religious station mentioning KMAK 100.3 in Orange Cove, CA. This time the signal was about half the strength that he was originally broadcasting with. Even so, it was detected immediately. The informant was so mad he went to a pay phone and telephoned the Costello residence. Apparently, the Costellos were not at home, as all he got was an answering machine. The following message was left on his machine: "We know you've put your pirate FM back on the air! You have no license to operate an FM station legally. Therefore, we are giving you five minutes to turn off your signal. If it isn't off in five minutes, we are phoning the FCC in Chicago tonight. So turn the xxx xxxx thing off! It took about five hours for the signal to be taken off the air. Needless to say, it hasn't been on since! I predict Mr. Costello was operating with at least 8 watts of power at 200 feet above average terrain. This was no Ramsey kit operation, that's for sure!

Now a message to Bruce Elving: If you want to comment on this in FMedia! that is fine, but please don't mention my name. The Music building at Ball State is next to the library, and I don't want anyone questioning me about this situation. I've promised the informant I would never reveal his identity.

Now to top it off, Muncie has four more pirates on the FM band! These stations are called "Companion Radio." They are satellite feeds for a nursing home here. They are on the frequencies of 101.3 103.5 105.3 and 107.9. Power is estimated at one watt. Residents living near the nursing home in a half mile radius can not pick up 101.3 WFMG Richmond, IN or 107.9 WTPI Indy. The same informant wrote the FCC about this, but nothing has changed as yet.

Whoever told Bruce Elving that a WCER on 88.1 with 3kw was on the air in Indy badly mistaken! Never, with WRTV-6 there. The two pirates on 90.5 with one-

26 th of a watt are still on. They are weak and don't bother anything. 73-Ralph

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

Equipment: Carver TX-11 and Sherwood S-7250 rx, (both IF modified), Probe 9 at 30 feet with rotor, Bolin Phase Box with phase antenna. New are underlined.

MAY 1998**26 ES**

2057 KNIN 92.9 TX Wichita Falls

31 Es

2000 WJMI 99.7 MS Jackson

2026 WTWL 101.5 TN McKinnon

Thunder 101.5 class c rock

2029 KDDK 100.3 AR Jacksonville, Q-100

2033 KKPT 94.1 AR Little Rock

2042 KWEH 97.1 AR Camden KAMD

2047 KJIW 94.5 AR Helena

2053 WZDQ 102.3 TN Humbolt Q-102.3

2054 KEYI 103.5 TX San Marcos

Good time Oldies, 94 deg in Dripping Springs,

(nice catch! - grc) 1646

2100 KRMD 101.1 LA Shreveport

JUNE 1998**1st Es**

1720 KNIN 92.9 TX Wichita Falls

1724 KDGE 94.5 TX Gainesville the Edge

1731 KZCD 94.1 OK Lawton

1735 KBZQ 99.5 OK Lawton Kick99 country

1746 KBVA 106.5 AR Belle Vista

1748 KVGB 104.3 KS Great Bend

1755 KJYO 102.7 OK Oklahoma City

1805 KXAR 101.7 AR Hope

1808 KZRB 103.5 TX New Boston Z103.5

1810 KOOI 106.5 TX Jacksonville Paul Harvey

1813 KKKX 105.7 MO Knob Noster Kicks105

1824 WKSX 106.1 MS Picayune KISS Country

June 1st Es cont.

1829 WAKH 105.7 MS McComb

1831 KLAA 103.5 LA Tioga

1836 KJLO 104.1 LA Monroe K104

1847 KISF 107.3 MO Lexington KC Spots

1849 WWRQ 107.7 GA Valdosta Q107

2025 KQAA 94.9 SD Aberdeen

1853 KLSS 106.1 IA Mason City Mix106

1858 KIWA 105.3 IA Sheridan

1904 KIGL 104.9 IA Spencer

1918 KRAQ 105.7 MN Jackson

1923 KUOO 103.9 IA Spirit Campus Radio

1927 KFRX 102.7 NE Lincoln

1937 KKLS 104.7 SD Sioux Falls

1939 KTGL 92.9 NE Beatrice the Eagle

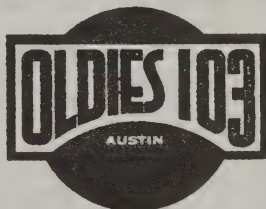
1944 KESY 104.5 NE Omaha Star104.5

1946 KLIR 101.1 NE Columbus

1949 KQKQ 98.5 NE Omaha Sweet98

1955 KSTZ 102.5 IA Des Moines

2024 KBEZ 92.9 OK Tulsa



SAUL CHERNOS - 57 BERKELEY ST. - TORONTO, ONTARIO M5A 2W5

(416) 364-0725, e-mail: chernos@web.apc.org

May 31, 1998 Tr (Toronto ON)

1500 PIR 90.7 ON Pickering "The Nuke 90.7 FM, the Power of Pickering". This pirate heard

in stereo and strong while leaving Toronto on Highway 401. Carried from Toronto to close to

Oshawa. Pickering is just east of Toronto.

May 31, 1998 Es (Burnt River ON)

1745 KOYN 93.9 TX Paris "Your country KOYN"

1750 KKPT 94.1 AR Little Rock "The Point"

<http://www.kkpt.com>

1754 KARG 91.7 OK Poteau

1755 KASU 91.9 AR Jonesboro strong o/CKLY

1959 WMJY 93.7 MS Biloxi

2000 WUWF 88.1 FL Pensacola

2010 WTIW 94.3 LA Galliano

(CBLU Huntsville off) "Tix-FM"

2018 93.7 "We're your smooth jazz stn, smooth jazz 93"

2021 WBLX 92.9 AL Mobile "BLX"

2050 WAGH 98.3 AL Fort Mitchell "Magic 98.3"

2052 WPCV 97.5 FL Winter haven

2054 WKSJ 94.9 AL Mobile "95-KSJ"

2058 WLWI 92.3 AL Montgomery

2100 WJWV 90.9 GA Fort Gaines "Peace State Public Radin Network"

June 1, 1998 Es (BR)

1550 KNTU 88.1 TX Denton

1656 WEZB 97.1 LA New Orleans "B-97"

1710 89.7 104 degrees, gr Lee Parker Road report (KTXB?)

1726 KLTN 93.3 TX Port Arthur Estereo Latino SS

1730 WYPL 89.3 TN Memphis

1731 KTXB 89.7 TX Beaumont

1738 KJIW 94.5 AR West Helena g

1740 KQXY 94.1 TX Beaumont "94.1"

1741 KFAD 93.9 LA Alexandria

1743 KYKR 95.1 TX Beaumont

1745 KQUS 97.5 AR Hot Springs

"Real country US-97"

1748 93.9 "The New Mix 93.9"

Lionel Richie music

1750 94.1 Smith Pools ad

1751 KLBQ 98.7 AR El Dorado "Q-99"

1753 KVVP 105.7 LA Leesville

1755 KMYV 106.1 LA Monroe "Kid-Country-106"

1757 KORI 104.7 LA Mansfield

*Saul Chernos' report continues:***July 1st Es**

1759 KVST 103.7 TX Willis "K-Star-Country"
 1800 KWAY 102.7 TX Jasper
 1804 KTBQ 107.7 TX Nacogdoches
 "Quality Rock Q-107"
 1806 KVNA 107.9 AR Magnolia
 1808 104.3 TSN news (Texas State News???)
 1809 KBUS 101.9 TX Paris r
 1810 KIVY 92.7 TX Crockett
 1815 KPLX 99.5 TX Fort Worth "K-Plex"
 1818 WWRO 100.7 FL Pensacola
 1820 95.1 "Y-95"
 1821 WTIW 94.3 LA Galliano (CBLU still off)
 1822 KYYK 98.3 TX Palestine
 1825 KLAJ 97.5 OK Durant
 1826 KJEK 98.9 TX Austin
 1827 KALK 97.7 TX Winfield
 1828 KBBQ 100.7 AR Little Rock
 1829 WCOF 107.3 FL St. Petersburg
 "Coast107.3"
 1830 WRBQ 104.7 FL Tampa "Q-105-Country"
 1831 KDYN 96.7 AR Ozark "Hillbilly Realty" ad!
 1832 KMAG 99.1 AR Fort Smith "K-Mag"
 1833 KKEG 92.1 AR Fayetteville
 1834 92.5 "Q-92-Oldies-Radio"
 1836 WKQL 96.9 FL Jacksonville "Kool 96.9"
 1838 KZBB 97.9 OK Poteau "B-98" "Ark-Lahoma"
 1840 KREB 99.5 AR Huntsville
 1842 WQST 92.5 MS Forest
 1845 WBZE 98.9 FL Tallahassee
 1847 WKKR 97.7 AL Auburn "97.7Kicker FM"
 1848 WKSJ 94.9 AL Mobile "95-KSJ" k
 1849 94.1 "The New Soft Rock 94.1"
 Baldwin mentioned
 1850 WMXC 99.9 AL Mobile "The Light Mix 99"
 1851 WMFC 99.3 AL Monroeville
 1853 WYCL 107.3 FL Pensacola "Cool 07"
 1854 WHER 103.7 MS Hattiesburg
 1856 100.1 Radcliffe mentioned
 1857 WHMA 100.5 AL Anniston "Alabama 100"
 1900 WRBF 94.7 AL Brundidge
 1901 WQUE 93.3 LA New Orleans "Q-93-Jams"
 1902 90.5 Oasis Network TX
 www.oasisnetwork.com
 1902 89.7 Oasis Network TX
 www.oasisnetwork.com
 1905 KAJN 102.9 LA Crowley
 1911 100.1 MO- KNOZ Perhaps it's KOMC —
 see later
 1912 KTBZ 107.5 TX Lake Jackson "Buzz"
 1913 KOMC 100.1 MO Kimberling City
 1916 KTTS 94.7 MO Springfield
 1917 KAYD 97.5 TX Beaumont "KD-97" k
 1918 KWTQ 98.7 MO Springfield "Rock 99"
 1919 KAGL 93.3 AR El Dorado "93.3 The Eagle is
 classic rock"

July 1st Es

1920 KEMX 94.5 OK Locust Grove
 1921 93.7 "93.7 Jams"
 1920 KCTG 92.9 MO Ozark "Coyote Country"
 1923 KSMB 94.5 LA Lafayette
 1925 KCFM 94.1 OK Okmulgee
 1930 KEZA 107.9 AR Fayetteville "Magic 107.9"
 1935 KTXR 101.3 MO Springfield
 1936 KHTQ 106.7 MO Mount Vernon "Hot 106.7"
 1937 KHTI 106.9 OK Muskogee "K-Hits"
 1938 KJEL 103.7 MO Lebanon
 1939 104.9 421-HELP Brown & Krupin law
 firm, "Magic 105"
 1940 KGMV 100.5 MO Aurora "My Country"
 (FM #1500 for BR) (Congratulations!-grc)
 1945 KSLZ 107.7 MO St. Louis "Z-107-7"
 1950 KHJM 100.3 OK Taft g "KHJ"
 1953 WAKH 105.7 MS McComb
 1954 WIBW 97.3 KS Topeka "97 Country"
 1956 KRBB 97.9 KS Wichita
 1957 KMMY 97.1 OK Muskogee
 2000 KCMO 94.9 MO Kansas City
 "Oldies 95"
 2002 KOEZ 92.3 KS Newton
 2005 KVGB 104.3 KS Great Bend
 2010 KBVA 106.5 AR Bella Vista "Variety 106.5"
 2013 KKRK 107.3 KS Wichita
 2014 KSAJ 98.5 KS Abilene
 2016 WJDX 96.3 MS Jackson "Mix 96.3"
 2020 WRJH 97.7 MS Brandon
 2025 WEMX 94.1 LA Kentwood
 "The Max94.1"
 2040 WDTL 92.9 MS Cleveland
 2044 KNID 96.9 OK Enid k
 2045 KNRX 94.7 OK Oklahoma City
 2055 KYKZ 96.1 LA Lake Charles
 2100 WNSL 100.3 MS Laurel
 2103 KIOX 96.9 TX El Campo
 2130 95.1 "Kiss"
 2135 KKBQ 92.9 TX Pasadena "93-Q-Country"
 2151 KSBJ 89.3 TX Humble
 2153 KPFT 90.1 TX Houston
 2200 WWOZ 90.7 LA New Orleans

Logged a small ES opening May 31 and a gargantuan affair June 1, during which I logged at least 38 new FMs and passed the 1500 FM station mark (for Burnt River ON DX site). At nearly 90...or more if I solve some uniDs...this is my most productive Es ever in terms of sheer loggings on FM. Of course, having few locals helps... Hope others had a blast, too! — Saul Chernos

FAX (218) 879-7676. E-MAIL: FmAtlas@aol.com

Three stations so far for the year, but I am not complaining. I only had 10 new catches for all of 1997. New to me is WCUP 105.7 L'Anse MI with stereo, country. I called them and they said the transmitter is in Herman MI, which I cannot locate on the map, with studios across the peninsula in Ontonagon MI. They were surprised to have a listener west of Duluth. Received 05-15-98 after I noticed tropo was up, at 0003. Earlier in the evening, while trying for skip, I had WIAA *88.7 Interlochen MI off the back of my antenna.

One of the outstanding tropo openings to central Nebraska was the morning of May 18, 1998 when I received the new call letters for Columbus NE, KKOT. It was previously heard as KTTT-FM. Its ""Coyote" nonID is not strict; usually they say the call letters. Received with perfect stereo for several hours. Also heard KRVN-FM 93.1 Lexington NE with stereo, ""Lite 93" mentions and legal ID at 9 a.m. CDT. It was clearly enough heard that I could tune in their 92 kHz and hear KRVN (AM 880) which is relayed on that subcarrier. I previously talked to chief engineer Vern Killion and promised him if I ever hear KRVN-FM I would write. So ends a better than 30-year quest to receive that station in northeast MN. Also heard NE on 102.3, but by ID time at 11:01 it was KOLK Onawa-Sioux City IA that was received. KOLK has stereo, country and strict nonID: Colt Country.

My main 10-element FM antenna and rotator blew off about 2 months ago in a storm, so I am using a smaller yagi antenna attached to a short pole off the back of the house. The tower stands; I had the antenna hoisted too high above the tower and knew it might crash down some time! I plan to file an insurance claim and go for something even better. What do you and the membership think of Ed Hanlon's APS 14 antenna? My tuner, incidentally, was made in or near Buffalo NY. It is a Fanfare FM, modified with more selective i-f filters—I believe with a 150 and a 110 kHz.

Skip May 28 brought KGCB *90.9 Prescott AZ, \$, gc. Other AZ frequencies heard were 88.1, 90.3, 91.5 (with KJZZ replacing the KMCR calls I had there from years ago). KJZZ had two SCs, 57 kHz RDS data and the 67 kHz "Sun Sounds" reading to the blind. John Ebeling tipped me off; he was getting Flagstaff 92.9 over local WSCDuluth.

Skip June 1 brought one new station, WSCQ 100.1 West Columbia SC, \$stereo, 5:12 p.m. CDT, and WHRO-FM *90.3 Norfolk VA. I am not counting WHRO-FM as a new station, even though I previously received it on 89.5. Also heard WETA *90.9 Washington DC (previously heard with its former WETA-FM call letters) and WHYY *90.9 Philadelphia PA (previously heard as WUHY). I FAXed John Doran, c.e., WHYY- FM-TV my 1975 verification of report of reception of WUHY for his amusement.

As ever, bruce elving, FmAtlas@aol.com

CHARLES BERNTH - P.O. BOX 236 - EASTPORT, NEW YORK 11941-0236

Equipment: Pioneer car radio, Adcom GTP-400 tuner, RS antenna at 15'

Only new stations listed

May 1998 DX

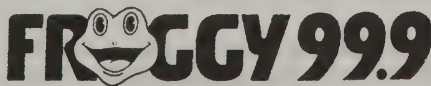
14 Tr				
1254 WHRO	90.3	VA	Norfolk calls rel	346
1925 WQHQ	104.7	MD	Ocean City "Q 105" r	219
1940 WRSF	105.7	NC	Columbia	
			"Dixie105.7" k	392
2000 WKHI	107.5	VA	Exmore calls r	287
2031 WCZT	94.3	NJ	Avalon	
			"94-3 The Coast"	163
2142 WWFG	99.9	MD	Ocean City "Froggy99.9217	
2210 WESM	91.3	MD	Princess Anne calls uc	242
2222 WWDE	101.3	VA	Hampton "2WD" r	337
May 15 Tr				
0003 WLGP	100.3	NC	Harkers Island calls m	476

June 1998 DX

1 ES

1815 KSJQ	92.7	MO	Savannah Q-Country	\$1172
1826 WSYE	93.3	MS	Houston	
			"Sunny 93.3" \$	1014
1836 KBFC	93.5	AR	Forrest City ads, wx	1068
1854 KRXL	94.5	MO	Kirksville "The X"	1036

Best regards,
Charles Bernth



DANIEL OETTING - 4106 ELAND DOWNE - PHOENIXVILLE, PENNSYLVANIA 19460

Equipment: Harmon-Kardon Citation 23, Archer 10 element Yagi at 18' AGL, & 0-10-20db Radio Shack Amp.

May 1998 DX**14 Tr**

Tidewater, Va relogs.

26 Es (Muf 95.5)

2040-2104 Unids.Suspect OK.

June 1998 DX**1 Es (Muf 107.9+)**

1825 WKOR 94.9 MS Columbus
 1827 KEFM 96.1 NE Omaha
 1827 KTDY 99.9 LA Laffayette
 1828 KQID 93.1 LA Alexandria
 1846 KBFC 93.5 AR Forrest City, k
 1849 KCGN 101.5 MN Ortonville, gr
 1856 KITN 93.5 MN Worthington, r
 1859 KKN 94.3 MN Aitken

Lite 93
KRVN FM

June 1st Es cont

1900 KDOM 94.3 MN Windom, BB
 1905 KILS 92.7 KS Minneapolis
 1910 KKEQ 107.1 MN Fosston
 1917 KIKN 100.5 SD Salem, k "Kickin"
 1922 KFGI 103.5 MN Brainerd. k "Froggy"
 1925 KLLZ 99.1 MN Walker, rp
 1930 KKCC 96.7 MN Bagley,
 1933 KSQU 93.9 IA Sioux Center
 1938 KNOX 94.7 ND Grand Forks
 1938 KPFX 107.9 ND Fargo, rp "The Fox"
 1940 KDJS 95.3 MN Willmar, "K95.3"
 1943 KWEN 95.5 OK Tulsa, k
 1952 KEEZ 99.1 MN Mankato
 1953 KKCK 99.7 MN Marshall, r
 1957 KMIT 105.9 SD Mitchell
 2000 KQQL 107.9 MN Anoka, o, cool 70's type DJ
 2005 WIXK 107.1 WI New Richmond
 2024 KRRZ 96.3 KS Derby
 2028 KMXX 94.9 MN Cold Springs, o
 2029 KSKK 94.7 MN Staples
 2030 KRVN 93.1 NE Lexington
 2032 KKOT 93.5 NE Columbus "coyote k"
 2045 ES off FM

Well, it looks like 1998 might be a normal year! I actually heard some good FM E-skip for the first time in ages. (Thanks to a crummy 1997). The skip on June 1 was nice! The MUF was at 107.9MHz or above for almost 2 hours here. Also had a record number of new station loggings in a short time. In just a little over 2 hours, I positively identified 24 new FM stations. That has never happened for me before. Had 11 different states heard by skip on June 1. That hasn't happened since 1982. I missed the first hour of this skip when signals were in from TX, but I managed to hear MS, LA, AR, OK, KS, NE, SD, ND, MN, WI and IA. This skip was heavily concentrated on MN as you can see from my log. As far as tropo goes, the wild openings of May 14th didn't make it this far inland. (At least in PA.). Here's to a great '98.

JIM RENFREW - 61 WILCOX ST. - ROCHESTER, NEW YORK 14607-3832

Equipment: Dodge Caravan Radio, VW whip., (716) 461-2717, JimRenfrew@Delphi.com

June 1, 1998 Es (MUF 106.3)

1736 103.7 KSYG AR Little Rock
 1739 90.3 KBJS TX Jacksonville - religion lesson,
 a guess
 1740 91.9 KASut AR Jonesboro -
 who else with NPR?
 1741 104.9 UNID "Solid Gospel" program
 1742 104.9 KYCX TX Mexia
 1743 106.3 KYGL AR Texarkana "The Eagle"
 1744 103.7 KVIL TX Highland Park
 1749 93.9 UNID "The Boss"
 (possibly "Kick" or "Kiss")
 1752 97.5 KQUS AR Hot Springs
 1753 97.5 KLAK OK Durant

June 1 Es cont

1756 95.9 WBBN MS Taylorsville
 1804 96.1 KLRQ MO Clinton "K-96"
 1805 104.9 UNID College World Series
 1806 104.9 UNID "Real Country" (KBOE?)
 1810 104.5 UNID Southwestern Bell ad,
 Skip Murphy DJ
 1827 88.7 WQPRtAL Muscle Shoals - NPR's ATC,
 Montgomery sponsor
 1829 90.9 WJWvtGA Ft. Gaines - GA tornado
 warning, Marketplace
 1845 88.5 KLJC MO Kansas City
 1848 88.5 WQOX TN Memphis
 1900 90.3 KBUZ KS Topeka
 1901 90.1 KKFt MO Kansas City
 1902 91.1 KCFnt KA Wichita - AFA net
 1905 92.1 KRLS IA Knoxville
 1943 104.9 KZBZ KS Salina "Breezy"
 2007 90.9 KPNO NE Norfolk
 2009 104.9 KBOE IA Oskaloosa
 2013 94.7 KNN NE Norfolk

This was the most extensive e-skip I've ever heard, with eleven states logged (12 counting NY), including two new ones (MO and TN). I managed to stick with it in spite of work, driving, and going out for ice cream with my family. I'm sure I missed a lot, though.

MIKE CHERRY (VE7SKA) - 362 SKY VALLEY RD. - SALT SPRING ISLAND, BRITISH COLUMBIA V8K 2C3

e-mail: mcherry@saltspring.com

Equipment: Magnum Dynalab FT-101A Etude w/Magnum Sleuth 105 pre-amp
Antenna: Linday FM-10 10 element yagi at 42'. Telex Hygain Ham IV rotor, RG6
Times are UTC

Times and dates are UTC (locally I am UTC -7 hrs)
MAY 29, 1998 Es

- 0303 KFAC 88.7 CA promo for local fine arts society, \$
- 0308 KXFM 99.1 CA local ads, The X
- 0310 KTPI 103.1 CA k mx, weather and ads: Mojave
- 0313 KPRX 89.1 CA local DJ, calls, \$
- 0316 KUZZ 107.9 CA k mx, \$ calls from local DJ
- 0318 un-ID 107.3 CA hot AC into DJ...then lost it
- 0323 KAXL 88.3 CA cont. Christian w/ calls & DJ, \$
- 0327 KCBX 90.1 CA c mx w/ calls & annrc
- 0331 KGMB 89.7 CA calls into rlg talk
- 0336 KCWR107.1 CA local ads \$
- 0339 KGMX106.3 CA K-Mix, \$ local refs
- 0343 KBBY 95.1 CA wx, ads
- 0346 un-ID 89.5 CA w/ CHR in \$
- 0348 KCPB 91.1 CA c mx, w/ local annrc,\$

After co-ordinating on 6 meters, I briefly heard a few bits of signal on 144 mHz 2 meters from a ham in San Diego but no 2-way contact resulted. This occurred around 0336Z. At this time 6 meters Es was as short as central Oregon! Hopefully, this is a good sign of DX to come! 73 Mike VE7SKA



GREG CONIGLIO - 90 SLATE CREEK DR. #3 - CHEEKTOWAGA, NEW YORK 14227

Equipment: Carver TX-11a Tuner, Radio Shack VHF/FM combo antenna sitting on balcony, ~ 8' AGL, RG-59 coax, no amplification or phasing

MAY 26, 1998 Tr
DXing from Detroit-Wayne Co. Intl. Airport

1930-2015: Toledo FM stations VERY strong, even stronger than the locals. Also WPOS-102.3, CHYR-96.7 very strong and maybe WBUT-93.3. Usually within the airport terminal there is so much QRM that even the locals are somewhat noisy. I wonder if Michigan DXers were having a nice opening that night?

I've had a really hectic work schedule, so this is the only skip I have been on. I missed the great opening on June 1st, darn! Even on May 28, it was a late night at work, but on the way to Burger King for my "dinner break", I noted some strong Es, so I ate in the car. I had to eventually go back into work, and the opening was still going when I left just after 7, though not as strong as it had been. I have also heard some minor trop, but nothing really worth reporting about, just the standard Cleveland, Detroit, Toledo, Syracuse, Ottawa, etc. I'd like to thank Jim Renfrew, Mike Lazaro, and Jeff Kruska for assistance with unIDs on the May 28th opening!

MAY 28, 1998 E-Skip: MUF 107.9
DXing from East Aurora, NY (98 Subaru Legaey car r.)

- 1835 unID 100.3 "Whistle 100". There is one in NC but that is a ways from the target area. I guess I could have also heard phonetically similar "SL 100", which would be WNSL, and in the PTA.
- 1837 WOKK 97.1 MS Meridian, country 907
- 1839 WYLK 104.7 LA Folsom, "Lake Country 94.7 & 104.7"
- 1840 KLRZ 100.3 LA Larose, clas. rock 1123
- 1845 WMYQ 97.9 MS Newton, "My Country" 910
- 1847 WTKL 95.7 LA New Orleans, wx, jx 1089
- 1850 WLMG 101.9 LA New Orleans, ads 1089
- 1855 KJJB 105.5 LA Eunice, "your solid gold oldies" 1142
- 1851 KRRV 100.3 LA Alexandria 1112
- 1859 KZWA 105.3 LA Lake Charles, ads,s 1186
- 1900 KVOL 105.9 LA Opelousas, ad for Don and Mike, "105.9 The Buzz" 1127
- 1902 WYNK 101.5 LA Baton Rouge, non-legal top of hour ID, into country, strong 1107

Reminder: When reporting to NFMDX via e-mail, remember to use tabs, not spaces. If you cannot use tabs, use a consistent number of spaces (probably 3 or 4). Try to keep the format as close to what you see above as possible. Thank you for your assistance !!



Southern FM DX

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
E-mail: Jpzondlo@aol.com
Deadline: 10th

July 1998

For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA,
MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

Check out FM DX Web! [Http://members.aol.com/fmdxweb](http://members.aol.com/fmdxweb)



Fred Laun - K3ZO
5801 Huntland Rd.
Temple Hills, MD
20748
aalaun@ibm.net
EDT

Denon TU-800 Tuner, Winegard antenna @ 35'

6/1 Es

2035 KWYR 93.7 SD Winner, ID 1230
2042 KRKZ 93.5 OK Altus, local ads 1284
2043 KFXI 92.1 OK Marlow, ID 1200
2053 KANS 92.9 KS Osage City, "Kansas Radio"
1032
2054 KICM 93.7 OK Healdton, ID 1179
2057 KNIN 92.9 TX Wichita Falls, ID 1246
2100 KSPI 93.7 OK Stillwater, ID 1135

Regards, Fred



Eric Bueneman

NOUIH - 631 Coachway Lane - Hazelwood, MO
63042-1347 - (314) 839-9751 (prepaid only) -
NOUIHeric@aol.com, EricB631@juno.com -
<http://members.aol.com/nouiheric/k-index.html>
CDT

Realistic STA-90, Archer VU-110 antenna with
Archerotor at 33' AGL. Miles/kilometers. Note:
mobile catches made using Mopar AM Stereo/FM
Stereo radio in a 1989 Dodge Grand Caravan.

5/28 Es (On SB I-270 at I-70, Bridgeton, MO)

1940 KSII 93.1 TX El Paso, "93.1 Kiss FM," hot AC
local ads 1020/1642
1945 XHAAA 93.1 TM Reynosa, local ads in SS,
ranchera mx 990/1593

5/28 Es (In the parking lot of St. Monica Catholic Church, Creve Coeur, MO)

2000 KBGO 93.1 NV Las Vegas, o, legal ID, "The
60's at 6" mention, last heard as
KEYV 1355/2181

KSII 93.1 had a fairly steady signal throughout the
trip from my home QTH to St. Monica Catholic
Church, where I helped my singles group collate
newsletters. I had them on when I arrived, but
also had XHAAA and KBGO mixing in. Skip still in
at 2200.

5/28 Tr

2238 KICT 95.1 KS Wichita, local ads, "T-95," AOR,
400/644
2242 KCCX 107.3 MO Lexington, modern r, "X-Music,"
185/298
2244 KGRS 107.3 IA Burlington, AC, wx, promo, calls
140/225

2253 KOZN 102.1 MO Kansas City, modern AC, "102.1
The Zone" 225/362
2306 KMFC 92.1 MO Centralia, local promos, calls
90/145
2310 WNNK 92.1 IL Carthage, o, local ads, splash
from WIL 125/201
5/29 Tr
0315 WMCJ 101.3 IL Neoga, k, "East Central Illinois'
Country Giant" 110/177
0318 WQRL 106.3 IL Benton, o, "Q-106," splash from
WKXX 95/153
0323 WEJT 105.1 IL Shelbyville, "105 EJT," hot AC,
90/145
0326 WNSV 104.7 IL Nashville, "V 104-7," ads, wx,
splash from KMJM 65/105
0330 WBMV 89.7 IL Mount Vernon, CCM, ID for
WIBI 91.1 85/137
0332 WJLY 93.3 IL Ramsey, light Christian mx, no
KNSX 55/89
0338 WYNG 105.3 IN Evansville, calls, contest promo,
k, no KZNN 165/266
0415 WILL 90.9 IL Urbana, c, splash from KWMU/
WIBI 155/249
0416 WSCT 90.5 IL Springfield, CCM, ID for WIBI
91.1 80/129
0419 WTIM 97.3 IL Taylorville, t, splash from KXOK
97.1 70/113
0421 WKJT 102.3 IL Teutopolis, "KJ Country," hot k
110/177
0428 WKDQ 99.5 KY Henderson, ad mentioning
Madisonville 170/274
0434 WDKR 107.3 IL Maroa, "WDKR, Decatur's
Rock," classic r 115/185
0439 WXXM 99.3 IL Mount Zion, "99-X," soft AC,
splash from KFUO 105/169

6/1 Es

1738 CBJ-3 93.1 PQ Dolbeau, t pgm from SRC (CBC
French) 1140/1835
1740 WCY 94.3 ME Biddeford, calls, modern r
1085/1746
1742 CKUT 90.3 PQ Montreal, calls in promos, over
KWUR 970/1561
1747 WCME 96.7 ME Boothbay Harbor, local ads,
calls, soft AC 1125/1811
1750 WOKG 97.5 NH Dover, local promo, calls, k
(x-WOKQ) 1070/1722
1752 WKLB 99.5 MA Lowell, ad for job opening, calls,
k 1020/1642
1754 WPOR 101.9 ME Portland, local ads, promos,
calls, k 1120/1802
1757 CJEP 103.7 PQ Riviere du Loup, FF talk, local
ads, legal ID 1220/1963
1802 CITE 107.5 PQ Quebec, FF talk, AC, splash
from KSLZ 1115/1794
1804 CITE 107.3 PQ Montreal, "Cite 107.3 FM," in
FF, EE CHR 970/1561
1822 CKMF 94.3 PQ Montreal, FF modern r, DJ talk
970/1561
1827 CFEF 92.7 ON Peterborough, talk on Quebec
politics, thru WQLZ 725/1167
1830 WMJS 92.7 MD Prince Frederick, marine wx,
local ads, calls, Baltimore

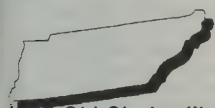
Southern FM DX

Bueneman continued

1835	<u>WMZQ</u>	98.7	DC	Washington, calls, k, first from DC! 725/1167
1840	<u>WBQB</u>	101.5	VA	Fredricksburg, "B-101.5," hot AC, over WCIL 710/1143
1841	<u>CJMF</u>	93.3	PQ	Quebec, FF ads, murdering KNSX 1115/1794
1842	<u>WPOC</u>	93.1	MD	Baltimore, "Baltimore's Country Station," k 740/1191
1849	<u>CBF-9</u>	91.9	PQ	Mont Laurier, contemporary play in FF 925/1489
1858	<u>WGAY</u>	99.5	DC	Washington, "99-5 WGAY," soft AC, local PSA 725/1167
1859	<u>WKYS</u>	93.9	DC	Washington, R&B mx, severe KSD splash 725/1167

The trop opening on May 28-29 only yielded KICT 95.1 outside of a 250 mile (402 km) range, but a lot of new stations on the air in Illinois, including both full power relays for WIBI 91.1 (WBVM 89.7, taking out regular KYMC, and WSCT 90.5, next to local KWMU), a few adjacent channel stations in central and southern Illinois, and a station that has moved from AM to FM (WTIM 97.3, which moved from 1410 kHz).

The Es opening on June 1 began with severe CCI on locals 2 and 4 (the latter nearly obliterated). So, I checked the FM band and sure enough, several New Englanders and Quebecois (using Quebec's native language) were in! The first sign was CBJ-3 on 93.1 from Dolbeau, airing a talk show from Societe Radio Canada (SRC, which is CBC's French Network). Also noted WOKG 97.5 (x-WOKQ) with mentions of an upcoming charity concert, and one of the businesses mentioned was Frisbie Memorial Hospital in nearby Rochester, NH. After 1830, the action pretty much shifted to the mid-Atlantic states, with the first stations in from Washington, DC (finally penetrated the Beltway!) in the form of WMZQ 98.7, WKYS 93.9 and WGAY 99.5. Another Baltimore station was added to my book in the form of WPOC 93.1 (already have WRBS 95.1), and the first Virginia station heard at this QTH (WBQB 101.5). The skip may have even reached TV channel 7. 73, Eric (N0UIH)



Doug Smith

1385 Old Clarksville Pike - Pleasant View,
TN 37146-8098

w9wi@bellsouth.net CDT

Technics ST-G50 tuner, big Radio Shack VHF-TV antenna at 15'

Yikes, trop! I had a week of openings to KRIV 26 Houston, but despite checking several good Houston FM indicator frequencies, no FM tropes were heard....until the night of May 22-23!

July 1998

5/19 Tr

2359	<u>KUMR</u>	88.5	MO	Rolla, s/off (#1) 273
5/23 Tr				
0144	<u>KPFT</u>	90.1	TX	Houston, reggae
0148	<u>KBNLT</u>	89.9	TX	Laredo, SS rel
0200	<u>WMPR</u>	90.1	MS	Jackson, local talk 337
0204	<u>KHCB</u>	105.7	TX	Houston, local events and calls 677
0630	<u>KHCK</u>	99.1	TX	Denton, Tejano mx
0637	<u>WAKH</u>	105.7	MS	McComb, "From Liberty to Lambton, K106" 402
0640	<u>KOCY</u>	105.3	AR	Hoxie, Jonesboro & area ads 219
0656	<u>KMJQ</u>	102.1	TX	Houston, local mention & "Magic 102" 677
0717	<u>KEGL</u>	97.1	TX	Fort Worth, "97.1 The Eagle" 620
0724	<u>KSSN</u>	95.7	AR	Little Rock, "Kissin' 96 FM" 323
0732	<u>KAJZ</u>	93.3	TX	Killeen, "93.3 K-Jazz" 739
0736	<u>XHMZ</u>	91.1	CL	Muzquiz, Mexican "polka" mx
0750	<u>KBNLT</u>	89.9	TX	Laredo, SS rel
0750	<u>KISX</u>	107.3	TX	Whitehouse, Tyler used car ad 542
0800	<u>KYGL</u>	106.3	TX	Texarkana, "Eagle 106.3" 443
0815	<u>KOOI</u>	106.5	TX	Jacksonville, "Sunny 106.5" & calls 556
0815	<u>KYNG</u>	105.3	TX	Dallas, "Young Country New Music Show"
0826	<u>KTXQ</u>	102.1	TX	Dallas, "Q-102," and local ad 620
0840	<u>KPBQ</u>	101.3	AR	Pine Bluff, "Q Country KPBQ" 318
0848	<u>WACO</u>	99.9	TX	Waco, "Waco 100" 682
0848	<u>WYMX</u>	99.1	MS	Greenwood, area ads 269
0920	<u>WYCL</u>	107.3	FL	Pensacola, area wx (#2) 393
0934	<u>WMSI</u>	102.9	MS	Jackson, area ads 344
1008	<u>KODA</u>	99.1	TX	Houston, area ads & wx 677
1047	<u>KAMX</u>	94.7	TX	Luling, Austin ad 761
1054	<u>KMXR</u>	93.9	TX	Corpus Christi, "Mix 93.9"
1116	<u>KASE</u>	100.7	TX	Austin, "Case 101, Austin's New Country" 746
1142	<u>KISS</u>	99.5	TX	San Antonio, local ads 813
1158	<u>KJFK</u>	98.9	TX	Lampasas, legal ID, mono 739
1211	<u>KHMX</u>	96.5	TX	Houston, Galveston events 677
1213	<u>KIOW</u>	96.1	TX	Harlingen, SS tropical mx
1219	<u>KALL</u>	94.9	AR	Maumelle, local talk 319
1224	unID	92.7	??	??, "Soft Rock Favorites, 92.7 KFM"

1238 KQQK 106.5 TX Galveston, call IDs and local talk (#2) 663

2152 WRKU 96.1 AL Mobile, "96.1 The Rocket" & Daphne ad 396

2154 WMGR 97.3 GA Bainbridge, legal ID w/Albany GA 389

2157 KXKC 99.1 LA New Iberia, "99.1 KXKC" 506

2203 WTKX 101.5 FL Pensacola, "TK-101" 401

2219 WYCL 107.3 FL Pensacola 393

2220 WRAX 107.7 AL Birmingham, "107-7 The X," new calls 185

2243 WMEZ 94.1 FL Pensacola, local ads 401

2301 unID 98.5 ?? ??, "Kicker 99 FM," Crystal River FL?

5/24 Tr

0735	<u>WVFJ</u>	93.3	GA	Manchester, "The Joy FM" 281
0748	<u>WKJS</u>	94.9	AL	Mobile, local nx 399
2134	<u>WAJS</u>	90.9	MS	Tupelo, MS State baseball game, Disney boycott promo and legal ID 11

5/24 Tr

0010	St. Louis area	93.7, 94.7, 97.1, 99.1, 107.7	230
0024	<u>KLPW</u>	101.7	MO Union, "101-7 KLPW FM" 261

Southern FM DX

Smith continued

0040 WRZQ 107.3 IN Greensburg, "Mix 107.3," Columbus ads 213

0050 KWWR 95.7 MO Mexico, "Country 96," local wx 328

0100 WBGW 101.5 IN Fort Branch, triple ID w/WBHW and WBJW 125

5/27 Es

0955 unID 93.5 ?? ??, "La Poderosa," MoR mx (likely XHPP Panuco, VC-jz)

1000 XHOX 95.3 TM Tampico, legal ID 1171

1000 unID 97.7 ?? ??, "Estereo 98," light r

1021 unID 103.1 ?? ??, "Estereo Recuerdo, MoR (likely XHMDR Ciudad Madero, TM-jz)

1032 unID 92.3 ?? ??, ID for "630 AM," in SS

1032 KFRQ 94.5 TX Harlingen, "The Valley's Rock" 948

1116 KAHX 107.3 TX Ingleside, "Oldies 107.3 Coastal Bend" 834

1116 unID 106.9 ?? ??, SS preacher


1120 KBFM 104.1 TX Edinburg, UC mx & fax # 421-2582 which, when dialed with Edinburg area code, does reach a fax 951

1127 Mexican unIDs - 96.9 k, 101.7 m, 102.1 c, 104.3 r
MUF out of FM by 1146

#1- KUMR mentioned they don't usually sign off, but had to on this date as the Galaxy 4 satellite they usually use for overnight programming had just failed. Three other stations apparently hadn't noticed, as WKYU 88.9, WMOT 89.5 and WKMS 91.3 were all broadcasting dead air.

#2- This was so strong I decided to try for it on my portable (Sony ICF-2010, whip antenna). Yes, it came in. It was also good on the (rather poor) radio in my pickup truck on my way to the grocery store.

73, Doug

 Pat Dyer - WA5IYX
5315 Silvertip Drive
San Antonio, TX 78228-2744

<http://home.swbell.net/pjdye/index.html>

pjdye3@juno.com CDT

Realistic TM-1001 tuner (two IF mod w/150 kHz filters) into Allied 426. 52 ohm step-attenuator box used to reduce local intermod/overload when needed. 6 element Archer antenna at 20' with rotor. 1950's (tube) Narco Omnigator used for most of the navoids.

3/24 Tr (time CST)

0356 WKSJ 94.9 AL Mobile, "KSJ" 659

0401 WCKW 92.3 LA LaPlace, ID 473

0503 KKST 98.7 LA Oakdale, "Star 98.7" 379

4/23 Es

1612 ???? 97.7 El Salvador, San Salvador, country ID 1240

4/25 Es

1013 XHMRI 93.7 YU Merida, area ad 800

1031 ???? 93.7 Belize Belize City, Christian Radio 1080

1035 ???? 88.9 Belize Belize City, country ID 1080

1051 ???? 92.3 Guatemala Puerto Barrios, local ad 1135

July 1998

1058 ???? 93.5 Guatemala Jalapa, local ID 1160

1123 XHNAL 89.5 CH Tonalá, ID 995

1136 XHSVA 92.7 VC San Andres Tuxtla, ID 770

4/26 Es

1550 KCLB 93.7 CA Coachella, ID 1078

1559 KTHQ 92.5 AZ Eagar, ID 724

1601 KVVM 93.5 AZ Show Low, ID 747

1601 KVVA 107.1 AZ Apache Junction, ID 815

1605 KRQQ 93.7 AZ Tucson, "KRQ" 767

1606 KLVA 105.5 AZ Casa Grande, "K-Love" 827

1608 KYOT 95.5 AZ Phoenix, local ad 837

1611 KMLE 107.9 AZ Chandler, area ad 838

1623 KTWV 94.7 CA Los Angeles, area ad 1187

1624 KCBS 93.1 CA Los Angeles, "Arrow 93" 1188

1626 KLAX 97.9 CA Long Beach, area ad, SS 1202

1631 KFOX 93.5 CA Redondo Beach, Korean 1199

1633 KDKB 93.3 AZ Mesa, area ad 837

1634 KKGO 105.1 CA Los Angeles, cx 1188

1638 KHTC 96.9 AZ Phoenix, state ID 837

1642 KEDJ 106.3 AZ Sun City, area ad 855

1646 XHCMS 105.9 BCN Michoacan de Ocampo, area ID 1010

1647 KBZT 94.9 CA San Diego, "K-Best" 1126

1649 KMCG 95.7 CA Carlsbad, "Magic 95" 1126

1650 XHRM 92.5 BCN Tijuana, area ad 1111

1650 XHITZ 90.3 BCN Tijuana, area ad 1112

1713 KOOL 94.5 AZ Phoenix, "Cool 94.5" 837

1724 XETRA 91.1 BCN Tijuana, area ad 1112

1728 XHSLR 107.9 BCN San Luis Rio Colorado, local ad 979

1730 KWST 94.5 CA Brawley, area ad 1026

1802 KDB 93.7 CA Santa Barbara, cx 1281

1811 KPKF 90.7 CA Los Angeles, ID 1188

1812 KLOS 95.5 CA Los Angeles, ID 1187

4/30 Es

1231 KILA 90.5 NV Las Vegas, ID 1052

1320 KBZT 94.9 CA San Diego, area ad 1126

1321 KWST 94.5 CA Brawley, area ad 1026

1321 KMCG 95.7 CA Carlsbad, "Magic 95.7" 1126

1322 KIFM 98.1 CA San Diego, local ads 1126

1326 KWXY 98.5 CA Cathedral City, area ad 1091

1327 KCMJ 92.7 CA Indio, area ad 1078

1330 KPWR 105.9 CA Los Angeles, "Power 106" 1187

1331 KKGO 105.1 CA Los Angeles, cx 1188

1337 KZIQ 92.7 CA Ridgecrest, area/local ads 1186

Tropo masking from in-state stations often hindered the Es catches. A very good level of Es for April.

5/1 Es

1158 WVKS 92.5 OH Toledo, local ad 1183

5/2 Tr

2119 WWRM 94.9 FL Tampa, local ad 997

2122 WMTX 95.7 FL Clearwater, area ad 974

2128 KZAM 104.7 TX Ganado, "KZ-105" 132

2130 KHOM 104.1 LA Houma, area ad 473

2132 WCOF 107.3 FL St. Petersburg, "Coast" 974

2134 WTIX 94.3 LA Galliano, ID 527

2258 KROF 105.1 LA Abbeville, ID 390

5/3 Tr

0001 KYBJ 91.1 TX Lake Jackson, ID 198

5/12 Es

1127 XHIMER 94.5 DF Mexico City, cx 690

1131 XHNU 94.5 GR Acapulco, local ad 870

1140 XHPA 93.7 GR Acapulco, local ad 870

1143 XHGRC 97.7 GR Acapulco, local ad 870

1159 XHZM 92.5 PU Puebla, local ad 715

5/12 Tr

1138 XHSRO 92.5 NL Monterrey, local ad 284

Southern FM DX

Dyer continued

1201 XHPP 93.5 TM Tampico, local ad 495
5/13 Tr
 0153 KSMB 94.5 LA Lafayette, ID 387
5/15 Tr
 0052 KZMZ 96.9 LA Alexandria, ID 388
 1153 WCKW 92.3 LA LaPlace, ID 473
5/17 Tr
 1829 XHRW 97.7 TM Tampico, local ad 495
 1900 XHPP 93.5 TM Tampico, ID 495
5/17 Es
 1901 ???? 88.9 Belize Belize City, area town 1187
5/18 Es
 1644 WVKs 92.5 OH Toledo, area ad 1183
 1717 WIRN 92.5 MN Buhl, MN Public Radio 1284
 1723 WVXM 97.7 SC Georgetown, area ad 1184
 1724 WTBX 93.9 MN Hibbing, ID 1273
 1729 KQDS 94.9 MN Duluth, "KQ-95" 1247
 1734 KSTP 94.5 MN St. Paul, "KS-95" 1118
 1739 WKIX 96.9 NC Goldsboro, "Kicks" 1232
 1743 WXRA 94.5 NC Eden, "Rock Alternative" 1181
 1747 WAKG 103.3 VA Danville, ID 1217
 1747 WTRQ 104.1 NC Winston-Salem, ID 1157
 1749 WTAK 106.1 AL Hartselle, ID 780
 1752 WKRR 92.3 NC Asheville, area ad 1174
 1753 WFMX 105.7 NC Statesville, ID 1128
 1800 WKKT 96.9 NC Statesville, "Cat Country" 1117
 1816 WXBQ 96.9 TN Bristol, ID 1067
 1818 WPCB 94.9 GA Atlanta, "Peach" 890
 1819 WJMX 103.3 SC Cheraw, area ad 1147
 1820 WSFL 106.5 NC New Bern, area ad 1297
 1824 WGST 105.7 GA Canton, Area ad 887
 1838 WZBR 97.7 NC Kinston, local ad, "Country Bear" 1286

 1844 WKML 95.7 NC Lumberton, ID 1199
 1844 WFLB 96.5 NC Laurinburg, ID 1199
 1855 WQSL 92.3 NC Jacksonville, local ad, "Q-92" 1285

 1859 WMHK 89.7 SC Columbia, ID 1093
5/20 Es
 1240 WZZR 92.7 FL Stuart, "ZZR" 1122
 1250 WWRM 94.9 FL Tampa, "Warm" 997
 1252 WBBE 94.7 FL Gifford, "B-94.7" 1113
5/20 Tr
 1357 WCKW 92.3 LA LaPlace, ID 473
 1406 KSMB 94.5 LA Lafayette, ID 387
 2158 WADU 94.9 LA Reserve, ID 480
 2247 WPWP 92.5 FL Panama City, ID 787
5/21 Tr
 0019 WGGZ 98.1 LA Baton Rouge, local ad, "Eagle" 446

 0558 WKZB 93.5 AL Butler, "KZB - The Rocket" 628
5/22 Tr
 0455 WKSJ 94.9 AL Mobile, "KSJ-95" 659
 0514 WLUN 95.3 MS Lumberton, area ad 577
 1935 WWRM 94.9 FL Tampa, ID 997
 2154 WCKW 92.3 LA LaPlace, area ad 473
 2155 WPAP 92.5 FL Panama City, ID 787
 2159 WMBV 91.9 AL Dixons Mills, ID 670
 2208 KANJ 91.5 TX Giddings, ID, rel 114
 2213 WMMO 98.9 FL Orlando, ID 1041
 2220 WTXI 94.3 LA Galliano, ID 527
5/23 Tr
 0035 KSJ 94.9 AL Mobile, "KSJ-95" 659
 0046 KTXU 98.9 TX Carthage, area ad, "99-X" 338
 0051 WABB 97.5 AL Mobile, area ad 649
 0052 WYCL 107.3 FL Pensacola, "Cool 107" 674
 0100 WGGZ 98.1 LA Baton Rouge, "Eagle" 446
 0201 WJDX 96.3 MS Jackson, "Mix 96.3" 522
5/24 Tr
 1739 KSSN 95.7 AR Little Rock, local ad 284
5/26 Tr

July 1998

0842 XHSRO 92.5 NL Monterrey, local ad 284
5/27 Es
 0913 WFLB 96.5 NC Laurinburg, area ad 1199
 0914 WWBD 95.7 SC Bamberg, local ad 1065
 0916 WZNY 105.7 GA Augusta, local ad, "Y-105" 1024

 0918 WRNN 94.5 SC Murrells Inlet, ID 1184
 0922 WVVX 97.7 SC Georgetown, "Mix 97.7" 1184
 0931 WUUU 94.5 SC Greenville, "Unique FM" 1017
 0931 WKIX 96.9 NC Goldsboro, "Kicks" 1232
 0937 WZFX 99.1 NC Whiteville, area ad, "Foxy" 1213

 0940 WPCB 94.9 GA Atlanta, "Peach" 890
 0942 WEND 106.5 NC Salisbury, area wx 1127
 0944 TDG 108.8 AL Talladega, Morse ID VOR 792
 0948 ELW 108.6 SC Anderson, Morse ID VOR 988
 0951 WTQR 104.1 NC Winston-Salem, local ad 1157
 0951 WLNK 107.9 NC Charlotte, area ad 1092
 0953 HRS 109.8 GA Harris, Morse ID VOR 938
 1003 SOT 108.8 TN Snowbird, Morse ID VOR 1003
 1012 WAKG 103.3 VA Danville, local ad 1217
 1014 WLIL 93.5 TN Lenoir City, area ad 939
 1017 WFMX 105.7 NC Statesville, ID 1128
 1020 WXLK 92.3 VA Roanoke, "K-92" 1188
 1022 WIKQ 94.9 TN Greenville, ID 1029
 1025 WMEV 93.9 VA Marion, "Super Country FM94" 1110

 1028 WXBQ 96.9 TN Bristol, ID 1067
 1030 WTFM 98.5 TN Kingsport, ID 1046
5/28 Tr
 1004 KBIM 94.9 NM Roswell, local ad 396
5/28 Es
 1001 XHRM 92.5 BCN Tijuana, area ad 1111
 1410 WEOV 92.5 FL Key West, local ad 1101
 1413 WWRM 94.9 FL Tampa, local ad 997
 1413 WCMQ 92.3 FL Hialeah, SS 1154
 1418 WPOW 96.5 FL Miami, "Power 96" 1149
 1420 WARO 94.5 FL Naples, "Arrow 94.5" 1052
 1426 WTKS 104.1 FL Cocoa Beach, "Real Radio" 1059

 1426 WMMO 98.9 FL Orlando, local ad 1041
 1430 WBGF 93.5 FL Belle Glade, area ad 1107
 1434 WGNF 98.1 FL Titusville, area traffic rpt 1070
 1436 WKQL 96.9 FL Jacksonville, "Cool 96.9" 1021
 1439 WZTA 94.9 FL Miami Beach, "Zeta" 1149
 1440 WTCQ 97.7 GA Vidalia, local ad, "98-Q" 976
 1441 WVOH 93.5 GA Hazlehurst, local ad 966
 1443 WKIS 99.9 FL Boca Raton, area ad 1151
 1449 WBYZ 94.5 GA Baxley, area ad 972
 1450 WMKs 92.3 GA Macon, "Kissin' 92.3" 863
 1451 WFFM 105.7 GA Ashburn, area ID 902
 1452 WJCL 96.5 GA Savannah, area ad 1039
 1453 WDAF 98.5 SC Pawleys Island, area ad 1183
 1455 WYAV 104.1 SC Myrtle Beach, local ad 1184
 1457 WPEZ 107.9 GA Macon, local ad 917
 1458 WYFA 107.1 GA Waynesboro, ID 1012
 1501 WZNY 105.9 GA Augusta, ID 1024
 1504 AHN 109.6 GA Athens, Morse ID VOR 1030
 1518 CTE 108.2 SC Chesterfield, Morse ID VOR 1131

 1525 SSI 109.8 GA Brunswick, Morse ID VOR 1030

 1526 IFTY 109.1 GA Atlanta, Morse ID VOR 881
 1528 ELW 108.6 SC Anderson, Morse ID VOR 988
 1531 WRHM 107.1 SC Lancaster, area ad 1103
 1532 WMQX 93.1 SC Winston-Salem, area ad 1178
 1534 WIKQ 94.9 TN Greenville, local ad 1029
 1537 WXRA 94.5 NC Eden, "Rock Alternative" 1181
 1538 WTQR 104.1 NC Winston-Salem, ID 1157
 1538 WNCT 107.9 NC Greenville, area ad 1299
 1539 WIVK 107.7 TN Knoxville, ID 971
 1541 WKSF 99.9 NC Asheville, ID 1010

Southern FM DX

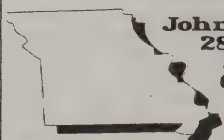
Dyer continued

1541 WDRZ	103.1	TN	Etowah, area traffic rpt 910
1548 WNKS	95.1	NC	Charlotte, area ad 1094
1556 WYGE	92.3	KY	London, local ad 995
1557 <u>WBXE</u>	93.7	TN	Baxter, area ad 894
1557 WQHY	95.5	KY	Prestonburg, ID 1072
1601 WGSQ	94.7	TN	Cookeville, area ad 897
1601 WBES	94.5	WV	Dunbar, area ad, "B-94.5" 1145
1603 WNHV	92.5	NC	Nags Head, "...and the Wind" 1404
1603 WTFM	98.5	TN	Kingsport, local ad 1046
1606 WFTM	95.9	KY	Maysville, area ad 1057
1608 WEMM	107.9	WV	Huntington, area nx 1122
1610 WCYO	106.1	KY	Irvine, area ad 1016
1613 WKWK	97.9	WV	Fairmont, ID 1256
1615 WGKS	96.9	KY	Paris, area ad, "Kiss" 1011
1617 WHOK	95.5	OH	Lancaster, area ad, "K-95.5" 1145
1619 WTCR	103.3	WV	Huntington, ID 1113
1619 WULF	94.3	KY	Hardinsburg, local ad 915
1620 WRZZ	106.1	WV	Elizabeth, area ad, "Z-106" 1183
1622 WCKQ	104.1	KY	Campbellsville, local ad 935
1629 WKIO	92.5	IL	Urbana, "Oldies 92.5" 940
1642 WXLK	92.3	VA	Roanoke, VA Lottery, "K-92" 1188
1647 WPVR	94.9	VA	Roanoke, "Arrow 94.9" 1188
1817 KBYZ	96.5	ND	Bismarck, rk, "The Fox" 189
1820 OZB	109.0	NE	Cozad, Morse ID VOR 790
1821 <u>IEAR</u>	110.9	NE	Kearney, Morse ID ILS 778
1830 <u>EAR</u>	111.2	NE	Kearney, Morse ID VOR 776
1839 <u>IGRI</u>	111.9	NE	Grand Island, Morse ID ILS 795
1843 <u>YKN</u>	111.4	SD	Yankton, Morse ID VOR 930
1845 <u>QFK</u>	109.6	NE	Norfolk, Morse ID VOR 866
1858 <u>MHK</u>	110.2	KS	Manhattan, Morse ID VOR 676
1858 ISLN	108.9	KS	Salina, Morse ID ILS 647
1918 WJZF	104.1	GA	La Grange, area ad 855
1919 WVNO	106.1	OH	Mansfield, area ad 1190
1925 KKOK	95.7	MN	Morris, area ad 1125
1927 WIKY	104.1	IN	Evansville, ID 863
1929 WSPJ	98.9	KY	Paintsville, area baseball 1073
1932 <u>WHVE</u>	92.7	KY	Russell Springs, ID 935
1933 WCRC	95.7	IL	Effingham, area ad 877
1935 WKNK	99.1	KY	Edmonton, ID 915
1935 WQIK	99.1	FL	Jacksonville, ID 1021
1945 WPAY	104.1	OH	Portsmouth, ID 1095
1949 WIXV	95.5	GA	Savannah, local ad 1039
1950 WKIX	96.9	NC	Goldboro, ID 1232
1954 KIQK	104.1	SD	Rapid City, local ad 1038
1959 WGNR	97.9	IN	Anderson, ID 1033
1959 ICKF	108.9	GA	Cordele, Morse ID ILS 899
2015 WRXR	96.3	SC	Aiken, "96-X" 1022
2016 <u>WQSD</u>	95.9	TN	Livingston, "Sunny 95.9" 898
2018 WFLB	96.5	NC	Laurinburg, area ad 1199
2021 WYMG	103.1	SC	Columbia, local ad 1079
2024 WOGY	96.5	OH	Hamilton, k, "Y-96" 1060
2028 WRDU	106.1	NC	Wilson, "RDU" 1262
2031 WFMW	105.7	NC	Statesville, ID 1128
2032 WESC	92.5	SC	Greenville, local ad 1011
2032 WFBC	93.7	SC	Greenville, "B-93.7" 1011
2036 WACF	98.5	IL	Paris, ID 933
2041 WLQI	97.7	IN	Rensselaer, ID 1022
2046 WXRC	95.7	NC	Hickory, area ad 1101
2049 WWCT	105.7	IL	Peoria, local ad, "Rock 106" 932
2053 KEZO	92.3	NE	Omaha, area wx, "Z-92" 831
2057 WYCA	92.3	IN	Hammond, rel 1044
2105 KKOT	93.5	NE	Columbus, ID 836
2109 WOLX	94.9	WI	Baraboo, ID 1084
2110 WKOO	98.7	NC	Jacksonville, "Kool" 1282
2116 KOEL	92.3	IA	Oelwein, ID 986

July 1998

2118 KFIL	103.1	MN	Preston, ID 1049
2123 KQRC	98.9	KS	Leavenworth, area ad 702
2124 KGGO	94.9	IA	Des Moines, local ad 888
2136 KITN	93.5	MN	Worthington, ID 985
2143 WAXM	93.5	VA	Big Stone Gap, ID 1042
<u>5/29 Es</u>			
1519 WVKs	92.5	OH	Toledo, local ad 1183
1652 WKIO	92.5	IL	Urbana, o 940
<u>5/30 Es</u>			
1308 KQMA	92.5	KS	Phillipsburg, local ad 703
1315 <u>KFIX</u>	96.9	KS	Plainville, rk, ID 661
1323 <u>KDGB</u>	93.9	KS	Dodge City, local ad 593
1329 KJLT	94.9	NE	North Platte, local ad 807
1330 KSKL	94.5	KS	Scott City, ID 640
1556 XHRM	92.5	BCN	Tijuana, area ad 1111
1559 KVOD	92.5	CO	Greeley, sk 817
1614 XHMOE	90.7	BCN	Mexicali, area ad 1021
1639 KCYQ	93.7	UT	Richfield, local ad 1002
<u>5/31 Es</u>			
2105 WIKQ	94.9	TN	Greeneville, ID 1029

The best trans-Gulf tropo sessions from here in a couple of years, and a far more robust Es season in May than 1997 produced. The Omnigator set (after 18 months) is finally getting to catch some good VOR/ILS via Es. 73, Pat - WASIYX

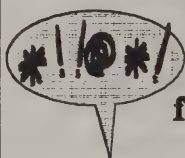


John R. Tudenham
2824 Missouri
Joplin, MO
64804-2755
CDT

All new.

<u>5/20 Tr</u>			
1600 KNLM	90.9	MO	Marshfield, rel, ID
<u>5/21 Tr</u>			
2330 KRVS	88.7	LA	Lafayette, ID
2353 WTGE	100.7	LA	Baton Rouge
<u>5/22 Tr</u>			
2355 WJFM	88.5	LA	Baton Rouge
<u>5/27 Tr</u>			
2028 KNSX	93.3	MO	Steeleville, ID
<u>5/28 Es</u>			
1747 WYAK	103.1	SC	Surfside Beach, "Y-103"
1803 WLGI	90.0	SC	Hemingway, ID
1940 KSET	94.7	TX	El Paso, area ads
<u>5/28 Tr</u>			
2200 KOZO	89.7	MO	Branson, Oasis Network
<u>6/1 Es</u>			
1704 WNTI	91.9	NJ	Hackettstown, ID
1804 CBO	91.5	ON	Ottawa, ID, CBC nx
1823 WEBB	98.5	ME	Waterville, o, ID, "B-98.5"
1924 WDHR	93.1	KY	Pikeville

Hope this is the start of a good Es season!



Murphy's First
Law of DXing:
Stations only
fade when it's ID
time!



John Zondlo
1009 Driftwood Circle
Yukon, OK 73099
jpzondlo@aol.com
CDT

Akai AT-VO4 tuner (modified with 2 150 kHz IF filters), Channel Master Stereo Probe 9 antenna. All new.

5/21 Tr
 0047 KAPB 97.7 LA Marksville, "Bayou Country"
 0149 KWCL 96.7 LA Oak Grove, o
 1300 KVCY 104.7 KS Fort Scott, ID
5/24 Tr
 0902 KDKD 95.3 MO Clinton, local ad
5/28 Es
 1955 WSRZ 106.5 FL Sarasota
 2000 KCID 107.1 ID Caldwell, ID
 2008 KIKX 104.7 ID Ketchum, calls
5/30 Tr
 0745 KBOC 98.3 TX Bridgeport, k, local spots
 0845 KREU 92.3 OK Roland, r, "Star 92"
6/13 Tr
 0835 K213CC 90.5 OK Weatherford, AFR
 0840 KBEL 96.7 OK Idabel, local spot
 2029 KBUS 101.9 TX Paris, local KTST knocked off by tornado
 2035 KATP 101.9 TX Amarillo, ditto KTST info
6/13 Es
 0957 KZGO 92.7 CO Glenwood Springs, "Choice FM"

1000 KARB 98.3 UT Price, ID, k

July 1998

From the Editor



The second week of June saw us dodging tornados in this part of the world. June 13 a tornado hit the Oklahoma City antenna farm knocking off several stations, including KCSC 90.1, KOKF 90.9, KYIS 98.9, KATT 100.5, and KTST 101.9. KTST going off allowed me to log a couple stations (noted above) on a frequency where I've heard nothing but my local. Only have KATT on 100.5 but nothing else heard there. The tornado also knocked off local TV stations on 5, 13, 14, 25, 34 and 43. KOCO 5 didn't come back on til after noon the next day. They took a direct hit live on the air....pretty dramatic footage. Fortunately no deaths reported, 21 injured. I saw more funnels/tornados that week than I ever want to see!

DX here has been pretty meager, but hopefully should get better soon.

See y'all next month!

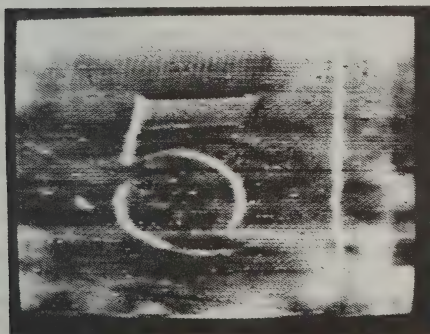
Photo News

July 1998

Page 3

(...continued from 23)

South of the Border DX



Unid new 5, Guadalajara, JAL
 seen 12/31/97
 @2050 CT
"5" - Boy, that's a big help!



XHFM-2 Veracruz, VER
 950 mi Es seen 1/15/98
 @1700 CT

EASTERN TV DX

July, 1998

Russell Miller
HC 61, Box 86B
N. Amity, ME 04471-9622
email address - estvdx@ainop.com

LOCAL TIME UNLESS OTHERWISE NOTED

Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098 — w9wi@bellsouth.net

April, 1998

18 Es 1340 KMID 2 TX Midland 945
1943 unIDs 2-4
Mexico 2 "TV Azteca XHIMT TV 7"
in sync bar

25 Es 1804 unID 2

May, 1998

01 Es 1204 unID 2
06 Gw 0100 (WWAZ) 19 KY Madisonville 68
See Note 1

0110 WEVV 44 (KY) Evansville, IN 106
06 Es 0936 XEFB 2 NL Monterrey 1075
12 Tr 0725 KRIV 26 TX Houston 677
0755 KXLN 45 TX Rosenberg 678
0800 WCFT 33 AL Tuscaloosa 223
0808 KTVET 10 AR El Dorado
0810 KTXHt 20 TX Houston
0830 WKOH 31 KY Owensboro 101
(very rare despite short distance!)

0856 KARD 14 LA Monroe 415
13 Tr 0043 WAPT 16 MS Jackson 338
0044 KRIV 26 TX Houston 677
0047 KARD 14 LA Monroe 415
0100 KTXH 20 TX Houston 677
14 Gw 0600 (WNPX) 28 TN Cookeville 100
(new calls)

20 Tr 0815 KRIV 26 TX Houston 677
Es 1208 unID 3 Mexico
22 Tr 0624 KRIV 26 TX Houston 677
2344 KRIV 26 TX Houston 677
WGNO 26 LA New Orleans 472
2355 WHNO 20 LA New Orleans 478
WLAE 32 LA New Orleans 472
23 Tr 0027 KLTJ 22 TX Galveston 680
KLFYt 10 LA Lafayette
(Tom Snyder)

0030 WXXV 25 MS Gulfport, 406
Hattiesburg ad
0059 WJTV 12 MS Jackson 343
0100 WCOV 20 AL Montgomery 283
(w/IDs for WAKA-8 & WSFA-12!)

0147 KXLN 45 TX Rosenberg 678
0200 KLTs 24 LA Shreveport, 466
(LPB ID matching WWW page & prog. sched)
0700 KRIV 26 TX Houston 677
(my new semi-local <grin>!)

0711 WABGt 6 MS Greenville (ABC)
0820 KTBS 3 LA Shreveport 466
call ID

23 Tr 0827 KSLA 12 LA Shreveport 466
(legal ID, HUGE ID, great for Dxers!)

0840 KFXK 51 TX Longview 531
"Fox 51/Fox 30"

0841 KETK 56 TX Jacksonville 556
KVDA 60 TX San Antonio 812

0843 KARD 14 LA Monroe 415
0847 KLAXt 31 LA Alexandria, ABC
0853 KNVA 54 TX Austin, 746
USPS & Internet addresses, "WB 54"

0900 XHABt 7 TM
"MAYO" floating through WBBJ

1136 KSHV 45 LA Shreveport, 465
"WB 45"

1145 KVVV 57 TX Baytown, 680
local PSAs
KRIV [26] seen on bow-tie at 2 feet.

2045 WVTM 13 AL Birmingham 200
WCIQ 7 AL Mt. Cheaha 213
WBIQ 10 AL Birmingham 201
// WCIQ-7

2128 WTVM 9 GA Columbus 322
WLTZ 38 GA Columbus 298
WJSP 28 GA Columbus 279
WXTX 54 GA Columbus 298

2140 WALA 10 AL Mobile 395
2210 WGN0 26 LA New Orleans 472
KRIV 26 TX Houston 677
2217 WJTC 44 FL Pensacola ID 401

24 0717 WGN0-26 & WHNO-20 still in

1730 KTHV 11 AR Little Rock 323
Es 1916 unID 2 Mexico
Tr 0005 WRGT 45 OH Dayton 276
0007 WSTR 64 OH Cincinnati 238

St. Louis KETC-9, KPLR-11, KDNL-30, WHSL-46 230
0015 WCLJ 42 IN Bloomington 214
0053 WCPO 9 OH Cincinnati 235
0513 WSRF 23 FL Pensacola 410
ID bars

27 Es 0733 XEFB 2 NL Monterey 1075
0950 KIII 3 TX Corpus Christi 861
1000 KGBT 4 TX Harlingen 948
1015 unID 6 "Gargoyles"; XET?
1127 unID 6 "6 Proud" with rounded 6. KRIS?

MUF 107.3

28 Tr 0822 W32BH 32 MS Tupelo 169
//WTV-A-9

0830 W45BD 45 MS Tupelo, huge 169
legal ID

30 Tr 2238 St. Louis 9, 1, 46
31 Es 1013 unIDs 3 See Note 2

NOTE 1: WWAZ are new calls for former religious station WLCN. Now a WB affiliate, though I'm still seeing lots of religious programming. (Including an ad for the church that used to own the station). WEVV was seen signing off — not many stations (especially Big 3 network affiliates) do that anymore! Someone screwed up & used the sign-ON tape ...

NOTE 2: WDKA-49 & WKAG-LP 43 both carrying St. Louis Cardinals baseball parallel to KPLR-11. the electronically inserted scoreboard contains a "KPLR WB-11" slogan — if you see this on channels 43/49, this is what you had.

Roy Barstow, P. O. Box 2488, Teaticket, MA 02536

Equipment: VHF: CM1110 ant., 25' above ground, CM Titan II Amp., 875 hardline. UHF: 7' Dish, RDX Labs amp., .750 Hardline, 30' above ground. ICOM R-100 receiver. 19" Zenith 70's TV set that is dying.

May, 1998

06 Ms	0433	CHAU	3 PQ	494
07 Ms	0520	CBAFT	3 NB	473
13 Tr	2030	CKLT	9 NB	345
	2300	CIHF	8 NS Global	408
	2310	CIHF	9 NS	363
		CBHT3	11 NS	279
	2320	CBHT4	11 NS ICOM	467
	2325	CBHFT	3 NS	279
	2328	CBHT	3 NS	408
	2340	CJCH	5 NS	408
	0000	CBHT	7 NS	308
14 Tr	DC - Baltimore, E. VA. Plus			
	0112	WUNP	36 NC	533
	0118	WYDO	14 NC	562
	0119	WNCN	17 NC	592
	0120	WRLH	35 VA	471
	0145	WUNU	31 NC	640
	0215	CBAT	7 NB	409
	0230	CBAT	4 NB	345
	0300	CJCH	6 NS	336
	ATV-BBC-On Card [BBC? or BBS - RM]			
	0340	CBHT	12 NS	343
	NS & PE - Clock on Card			
	0525	WFLF	22 NC	600
	1143	WNCN	17 NC	592
	1150	WRAY	30 NC	565
	1158	WRAZ	50 NC	600
	1220	CBHFT	3 NS	279
	NS and NC in all day			
	1240	WYDO	14 NC	562
	1255	WUNM	19 NC	577
	1300	CBAFT	11 NB	423
	1330	CKLT	9 NB	345
	1445	CBHT	11 NS	279
	1500	WMED	13 ME	288
		CIHF	45 NS	279
	1600	CJCH	40 NS	279
	1605	CBHT	24 NS	315
		CBHT	52 NS	324
	1830	W18BS	18 VA	450
14 Tr	1830	W24B1	24	457

	2120	WUNK	25 NC	562
		WUNJ	39 NC	660
	2130	WRMY	47 NC	550
		W54BR	54 NC	562
	2200	W41, W44, W60	Onancock, VA	410
		W62CN	62 VA	450
	2215	WFXL	8 NC	580
		WNCT	9 NC	565
	2225	WITN	7 NC	565
		WTVN	11 NC	591
	2240	WSFX	26 NC	660
		W56CS	56 VA	450
	2300	W59CE	59 VA	460
		WCTI	12 NC	577
		W52, W63,	Craddockville, VA	420
15 Tr	0005	W21BL	21 NC	577
	0030	WUNU	31 NC	640
	0045	W53BF	53 NC	550
		W19BM	19 VA	457
		W53BE	53 NC	616
	0100	WHMC	23 SC	702
		WKFT	40 NC	616
	0110	W20AL	20 NC	660
	0200	CIHF	8 NS	408
		CIHF	10 NS	308
	0210	CBHT	12 NS	343
		CBHT	7 NS	308
	0213	CBHT	11 NS	279
	0500	WTVX	34 FL	1141
	0545	WLTN	23 FL	1209
	0620	WLRN	17 FL 3/4 CB	1209
	0630	WWWB	32 FL	1144
	0700	WXEL	42 FL	1171
	Barney - 3 clear ID's			
	0805	WINK	11 FL CBS News	1200
	0900	W42AM	42 FL	1060
	WOPX 56 Card at ID			
	0930	WOFL	35 FL Sanf. & Son	1072
	1030	WKCF	18 FL	1075
	1045	WTGL	52 FL Religious	1084
	1110	WTVX	34 FL Still in	1141
17 Tr	2345	CKLT	9 NB ATV News	345
18 Tr	0005	CBAFT	11 NB	423
22 Ms	0339	CHAU	3 PQ	494

Years back, NS and NC were coming in on the same opening. I thought that if conditions were favorable NS to FL possible. After picking up many UHF from FL and looking at Fernando Garcia reception of FL, (LP and VHF) VHF to FL from Cape Cod on highband VHF best bet. On the morning of May 15 these two possibilities became reality. On May 14, 9 pm, 15 WHRO VA pegging the needle of the ICOM with the attenuator on. Three hrs. later, 39 WUNJ NC also pegging the needle of the ICOM with the attenuator on. With a double H over NB and NC and clouds hugging the coastline of the USA made conditions for this reception possible. Most FL stations in strong. WINK 11 in color solid for 1 1/2 hours. A Dxr in south NS with decent equipment had to be picking up south FL 1500 miles away and Dxers in south FL also picking up NS. Hams must have had a field day. 73s Roy

Rick Shaftan, 217 Green Rd., Sparta NJ 07871
973-726-8114 shaftan@ptd.net

Equipment: ICOM R-7000 w/TV Adapter. 1980
Sylvania 19" TV. GE VCR. Winegard LoBand, two
horizontally stacked Winegard Hibands w/amp and a
screened 7' dish for UHF w/PA-4875 amp.

March, 1998

01 Tr 1830 CIII 6 ON Paris
(Good audio w/wx)
11 Es 1235 KPRC 2 TX Houston
(713-ad)

April, 1998

29 Es 2236 KPRC 2 TX Houston
(Logo)

May, 1998

01 Es 1233 WBRZ 2 LA Baton Rouge
1242 KATC 3+ LA Lafayette
14 Tr 0632 WPDE 15z SC Florence
17 Goldsboro 48/64 DC
0645 unID 52z
Rel: either W52AS Frederick or W52CW
Charlotte
0650 unID 54- //Philadelphia 57
0651 unID 34z Thru Bing NY w HS 7-8
0820 unID 34+ NBC to WNW
0830 WKFT 40 NC Fayetteville
Infomercial
0837 WYDO 14 NC Greenville thru VA
18 Es 2030 KDTN 2 TX Denton - ID
2035 KDFW 4 TX Dallas - Fox
2042 KTBS 3 LA Shreveport - ABC
2045 unID 4+ NBC
19 Es 1802 WBRZ 2 LA Baton Rouge
Local ads, ID
20 Tr 2326 WQAV-LP 34 NJ Atlantic City
Home Shopping
2355 WPSJ-LP 8- NJ Hammonton
Home Shopping
21 Tr 0031 WPXV 49 VA Norfolk //8
24 Es 2001 KPRC 2 TX Houston ID
2038 KATC 3 LA Lafayette - ABC
2109 KDTN 2 TX Denton PBS
26 Es 2045 unID 6- CBS
2106 unID 6z NBC to SW pr. KTAL
2146 KJRH 2+ OK Tulsa - NBC
27 Es 0046 2+ ND CBS pr. Dickinson
0920 KNOP 2- NE North Platte
NBC to NW

Harry J. Hayes, 9 Henry St., Wilkes-Barre, PA
18702 (EDT)

Equipment: VHF: Ch. 2 and 5 switchable Quad loop,
Radio shack amp. UHF: 6ft. screened dish w/RDX
Labs UA901-amp. in attic and Zenith Sentry II, 1991
model.

May, 1998

17 Es 1620 2 to 4

18 Es 2030 KDTN 2 TX Dallas
2057 KTBS 3 LA Shreveport
20 Gw 1950 WQPX 64 PA Scranton
color bars, new local
24 Es 2009 WLBT 3 MS Jackson
2028 KATC 3 LA Lafayette
28 Es 1915 KBTX 3 TX Bryan
30 Tr 0710 WTIC 61 CT Hartford 150
0710 WVIT 30 CT Hartford
almost sno-free
30 Es 1930 WMAB 2 MS State College
1939 WBRZ 2 LA Baton Rouge

No "barn-burner" E-skip openings so far. As far as I
know WQPX-64 came on around 5/15. This
programs Info Mail all day. Also has ads for PaxNet
Network which will start a schedule of non-violent
programming on 8/31. Reception here is excellent
and what is even more amazing this new station gives
me almost no problems with overload. Also very little
evidence of this on the normal image channels, 49
and 60 for this channel. I hope it stays this way.

Jim Renfrew, 61 Wilcox St., Rochester NY 14607-
3832 jimrenfrew@delphi.com

Equipment: Two old TVs, rabbit ears. All times EDT

April, 1998

25 Tr 1810 CIII-?? 60 ON??
Global TV news show-noted sev. times since

May, 1998

27 Es 0810 unID 3 Angular "3" in LR corner
box with strong drop serif from top bar.
[WCIA? RM]
0830 KLNE 3 NE Lexington 1150
Mr. Rogers, Neb ETV logos NOTE 1
0920 KSNC 2 KS Great Bend 1157
KS ads
0929 KQTV 2 MO St. Joseph 924
"KQ2" slide burped over KSNC
31 Es NOTE 2
1948 unID 2 PBS Sinatra video
fundraiser (til 2005)
1959 unID 2 ABC - local Nissan
dealer, southern accent, later mentions
"News at Ten", so CDT zone
2002 unID 2 another PBS with nature
show // local PBS
2028 WSIL 3 IL Harrisburg 687
ABC, WSIL promo for United Cerebral
Palsy at Illinois Central Mall NOTE 3
2051 WEDU 3 FL Tampa 1084
James Taylor fundraiser
2102 unID 2 ABC program fades out

NOTE 1: No CCI noted on channel 2 at this time!

NOTE 2: Heavy thunderstorms and tornado warnings
in Upstate NY today

NOTE 3: My shortest TV E-skip, and State #18
logged.

Russell Miller, HC 61, Box 86B, North Amity, ME
04471-9622

Equipment: UHF Shack - 7' CM Dish 1" screen. RDX
Labs 902 P.A. (32 db - 0.4 NF) 60' AGL 760
ASL Allaron BW TV, ICOM R-100
VHF - Quantum 1110. CM 0040C PA. 35'AGL. 685'
ASL. Low Band Log-yagi Vert. pol. 10' AGL. CM titan
II PA (new model 23db gain). 2 horiz. stacked Low
Band Antennas 14' separation (horiz. pol.) on rotator
& wood stand 5' AGL. RS 15-1 109 PA Optimus
model 57 VCR. RCA B&W TV

May, 1998

13 Tr	0846	WTXF	29 PA	550
		Plus many maritime wireless cable		
	2203	(WLNE)	48 RI	340
		+25 Khz.		
		WHSP	65 NJ	573
	2305	WVBT	43 VA	753
		WHRW?	23 RI	324
		+ 20 Khz.		
		WWLP.	22 MA	351
14 Tr	0632	WBOC	16 MD	654
	0643	WHRO	15 VA	771
	0647	WVBT	43 VA	753
	0700	WJWJTV	16 SC	1155
		ICOM only		
	0830	WUNJTV	39 NC	966
		Little snow for 1½ hours		
	0837	WMDT	47 MD	654
	0915	WTVZ	33 VA	771
17 Es	1506	KGAN	2 IA	1214
26 Es	1542	WCBD	2 SC	1111
	1600-1750	Spanish Speaking		
	1610-1628			
		WKAQ	2 PR	1898
		Many "T" ID's (Telemundo)		
	1637-1729			
		RCTV	2 VEN	2400+
		Radio Caracass TV Many ID's		
	1639	WESH	2 FL	1411
	1702	WFMY	2 NC	920
	1707	WSBTv	2 GA	1213
	1730	WSJK	2 TN	1027
27 Es	0658	KTVI	2 MO	1246
	1618	WESH	2 FL	1411
29 Es	1429	WSBTv	2 GA	1213
30 Es	1816	WCBD	2 SC	1111
	1820	WJXT	4 FL	1311
	1842	WSB	2 GA	1213
	1900	WYFF	2 SC	1080
	1929	WSJK	2 TN	1027
	1958	WUNC	4 NC	904

June, 1998

01 Es	1607	WCBD	2 SC	1111
	1632	WESH	2 FL	1411
	1700	WSBTv	2 GA	1213
	1713	WFMY	2 NC	920
	2132	WYFF	4 SC	1111
06 Es	0848	WFMY	2 NC	920
10 Es	1708	WCBD	2 SC	1111

	1722	WKRn	2 TN	1194
	1724	WDTN	2 OH	932
	1730	WSJK	2 TN	1027
	1733	WAVE	3 KY	1057
11 Es	1159	WTWO	2 IN	1086
	1159	WDIV	4 MI	792
	1200	WCIA	3 IL	1103
	1227	WTWO	2 IN	1086

(Please stand by. Lost network signal
due to heavy rain fade)

Comments: The ICOM R-100 is a welcome addition
to my UHF shack, as WJWJTV would never have
been caught with 16 WBOC MD in firm control of TV.
WUNJTV was almost overlooked as being Allentown,
PA until I noticed that area was shut out of this
opening and was wrong offset so I took a second look.
The night before, I saw Boston weather predicting a
stalling high from Cape Cod to Florida (and a high to
my east). I called Roy Barstow after catching SC. He
noted NC in good at 11:00 a.m. and the next morning
Florida blitzed his location.

Radio Caracas TV has a new look upon it's
WELCOME visit to New England. It has several easy
ID's. One is a "revolving ball" with RCTV wrapped
around it. The easiest ID is a "sombbrero" in LR
corner. I heard their "yelling music" at ID time(s) so
many times I have it memorized. Also seen was a
commercial selling some kind of pills for what
appeared to be a fortune. Oddly with everything in
Venezuelan language (both video and audio) at one
point it showed "TV Store" in English even though all
other writing was "spanish". At another time during a
cartoon, a promo for "Runaway Angelica" showed on
the screen (Runaway in English). also saw promos
for Third Rock from the Sun in spanish. I saw "TIO
RICO" (Uncle RICO). I saw "De Bolivares" on the
screen. I don't know if this refers to Ciudad Bolivar or
if it has some other meaning. Many Venezuelan
words aren't in my Spanish dictionary. I saw an
apparent phone number 800-30-800 and cartoons. I
saw no sign of Trinidad and Tobago Television this
time around. Two years ago they had a logo lower
right with three non-capital t's in an oval block. When
in weak, it looked like a cement block with three holes.
They spoke English.

PR Ided with "T" for Telemundo many times also. I
made a quick call to Roy when it started and when
RCTV came in he was getting RCTV also. (We
compared tapes.) With 5 RCTV stations on CH-2 in
Venezuela I don't know if we were seeing the same
station or not. Roy's 2 Es report will be in next month.
The VHF antennas fed into an A-B-C switch into my
VCR was a major improvement. PR came in best on
the horizontal stacked antennas, probably because
the vertical was picking up too much coastal skip.
When Venezuela came in it favored the vertical at first
then it was pretty random after that. The next day my
local station showed a big storm had been in the
Caribbean during this event. This storm effect has
produced South American Es a few times.

WESTERN TV-DX

July 1998

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4554
e-mail frank@horizon.sri.com
(650)851-7031

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for May 1998. Any times are PDT.

I was looking forward to lots of summer skip. Some was seen in Santa Barbara on an indoor whip antenna:

May 16 1845-1930, only 1 stn, KMID-2 Midland TX (1000 mi), ABC, 1900 Big 2 News. MUF ch 3 (offset CCI u/local KEYT)

May 19 1805-1820, ch 2 CBS, ch 4 signal. no IDs

May 30 1800-1810, ch 2 weak. No IDs

I was in Wasco on May 1-3 and 21-25, where I have outdoor 4-bay UHF and 1-bay VHF conicals. Expected good Es openings, especially in late May, but nothing. How come? Here is a possible explanation.

Widespread news reported Galaxy 4 satellite went out of control May 19, approx 3:30 PM Pacific Time. Some radio, TV, and lots of pagers affected. No report as to why the malfunction. Then, on May 22 in Wasco, I listened to a new LPFM in nearby Delano with satellite connections and the only place I heard the following report, whether factual or conjecture, about a solar flare hitting the bird and frying its computer circuitry, effectively killing it. The approaching sunspot cycle was also noted. If I remember right (is this correct?), a solar flare off-season can produce immediate Es (same day), but if it occurs during the summer season, it retards Es, along with the sunspot cycle increasing. So, I'm wondering if there was a start to summer Es season which was suddenly interrupted by this apparent solar flare.

The only other Wasco DX noted were three new LPTVs, all new regulars.

May 2: A new Channel 28, VCC shopping, good strength. Direction and strength are similar to the Ch. 42 TBN Coalinga (northwest), so I suspect this is also Coalinga (approx 80 mi).

May 2: A new Channel 25, 3ABN, Bakersfield direction (southeast). If it is Bakersfield (25 to 45 mi), it may be usable right there, but anywhere else in the region (such as Wasco), it is sandwiched between KCEE-24 Fresno and KMPH-26 Visalia. In Wasco, with tricky tuning, I could get almost no usable visual and somewhat good aural.

May 22: A new Channel 42, southeast (25 to 45 mi). Color bar test pattern with ID which I think was (consistent though weak) "K42EJ Bakersfield."

Southern California coastal trop to San Diego/
Tijuana (200 mi):

May 1 Very poor tropo (cooling, approaching wx front) (occasional rain May 1-5)
May 1-3 [Out of town]
May 3 Very poor
May 4-10 No tropo (all-time season record rainfall by May 5)
May 11 Very poor
May 12-16 No tropo (rain May 12-13)
May 17 Very poor
May 18 Poor and improving
May 19 Fair
May 20 Poor
May 21 No tropo
May 21-25 [Out of town]
May 25 Poor
May 26 No tropo (wx front and some wind)
May 27 Very poor, improving to fair
May 28 Very poor again (rain)
May 29 Very poor
May 30 Poor, improving to good (some inland heating)
May 31 Fair

Best of DX to all. Dennis

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

April 1998				CDT
From Cd. Guadalupe, NL, Mexico				
20tr	2300	WBHS	50FL ID, color	1116
		WTTA	38FL ID, color	1116
May 1998				CDT
Super Trop continues				
06tr	1650	KENS	5TX local news	445
	2027	XHAB	7TA	505
	2212	KEDT	16TX	425
		XHREY	12TA	535
	2314	KFXL-LP30	TX Fox 51, Fox 30	220
07tr	1948	KEDT	16TX	425
	2037	KNTS-LP 17 LA	see Note 1	145
		KAIN-LP 55LA	see Note 1	145
	2207	KXAN	36TX	395
		KWEX	41TX	445
08tr	2033	XHAB	7TA	505
	2136	XHREY	12TA	535
	2216	XHMTA	11TA	500
		XHOR	14TA	505
	2225	XHCVI	26TA	685
		XHTPZ	24TA XEQ//26	715
	2231	XHLNA	21TA TV Azteca/XHREY-12	545
	2247	KFWD	52TX T52	395
	2302	KNCT	46TX Charlie Rose	375
	2314	WFTS	28FL ABC, to E	550
	2317	WWSB	40FL Bradenton, Sarasota	555
	2329	WGCU	30FL ID, Gulf Coast University	620
	2346	WJEB	59FL TBN, due E.	565
	2357	WCLF	22FL You and Me	535

Western TV DX *J. Kruszka's report continues*

				matches TVG online
09tr	0004	<u>WFLA</u>	8FL NBC, "fat" 8 floating	
			over WVUE	555
	0038	KMBH	60TX CB w/ID	550
	0056	WFTX	36FL	620
	0138	XHMOYt	22NL XEQ//24	
	0236	XHFTX	57TA CB w/ID	550
	0242	XHBR	11TA XEW pgmming	545
11tr	2136	XHAB	7TA	505
	2205	XHREY	12TA	535
	2209	XHFOX	17TA "Fox 17"	535
12tr	2210	WLMTl	30TN Andy Griffith	
	2243	WMAV	18MS	295
		WFBI	50TN HSN	325
13tr	0712	KDIX	58TX TBN	365
		KINZ	68TX rel. children's show	385
	0715	KLRT	16AR ID	305
		KVTHt	26AR religious	
	0720	<u>KAMC</u>	28TX 28 logo, Lubbock ad	
			see Note 2	660
	0721	KJTV	34TX Fox	660
	0723	KTAB	32TX CBS	525
		KMSS	33LA Fox, overriding local!	210
	0725	<u>KOCV</u>	36TX CB w/ID,	
			like Danny's photo	670
	0729	KJTL	18TX Fox	490
	0730		had to leave for work, damn!	
	1854	KATV	7AR ID	305
	2029	WKCF	18FL WB	575
	2039	WFTX	36FL Fox	620
	2057	WACX	55FL religious	565
	2105	WUSF	16FL	550
	2300	W26BB	26MS 3ABN-see Note 3	120
14tr	1934	WFTS	28FL ABC	550
		WGCU	30FL PBS	620
	1935	WFTX	36FL Fox	620
15tr	0716	WETU-LP	39 AL see Note 4	320
	0732	KYPX	42 AR infomercial, calls lower right	300
	2145	<u>WDRB</u>	41 KY see Note 5	620
16tr	0031	KVEO	23TX	500
	0100	WAAY	31AL ID	400
Es	2157	KENW	3NM Portales area sponsors	760
tr	2304	XHAB	7TA	505
	2309	XHVTV	54TA	505
	2320	XHREY	12TA booming in	535
	2324	XHTPZt	24TA	
	2331	XHMTA	11TA	500
	2338	XHLNA	21TA //12	545
	2350	KZTV	10TX local mentions	425
17tr	0003	unID 7 SS	"Azteca TV 7" floating	
			u/XHAB CB's	
	0016	KMBH	60TX weak CBs	495
	0028	<u>KGNS</u>	8TX Laredo ads,	
			w/UHF antenna	545
	0129	XHAQRt	7QR "Azteca trece" ID	
			SSE - see Note 6	
	0203	unID	11 SS due S.	
	0228	KMOL	4TX "4 San Antonio"	445
	0252	KFXL-LP	30TX "Fox 51/30" lower right	220
	0300	KENS	5TX	445
		KSAT	12TX	445
Es	1043	unIDs	3,4 SS	
	1910	unIDs	3-5 SS	
18tr	0708	KVEO	23TX NBC, valley wx	500
		KEDT	16TX PBS	425
	0712	XHAB	7TA	505

	0712	XHREY	12TA		535
	0713	XHMTA	11TA		
	2027	KLRT	16AR		300
		KYPX	42AR		300
	2324	KHBSt	40AR		
		KATV	7AR ID		300
	2336	KTHV	11AR		300
	2358	KKYK-LP	22 AR end of "WKRP"		
			matches Click TV		300
19tr	2049	KYPX	42AR ID on screen		300
	2245	KFWD	52TX SS		395
	2251	KRRT	35TX		475
	2252	XHAB	7TA		505
20tr	0710	KVEO	23TX		500
		KWEX	41TX		445
		KXAN	36TX		395
		KINZ	68TX		385
	0716	XHREY	12TA		535
		XHAB	7TA		505
	1940	XHTPZ	24TA XEQ, strong, ID on tape		715
	1946	KYPX	42AR color bars		300
	1950	KOCB	34OK WB		505
	1958	KWMJ	53OK ID		480
	2005	KDOR	17OK TBN		515
	2029	KOPX	62OK ID on tape		505
		KTLC	43OK ID		505
	2045	KTPXt	44OK 800# floating over local		
	2047	KWHB	47OK "Healthy Choices"		480
	2057	KSBI	52OK ID on screen		505
	2100	KOKI	23OK Fox 23, local wx		480
		K50CO	50OK KPBI ID, on tape		375
	2121	KHBS	40AR ID, strong!		400
	2129	K60EP	60AR Ft. Smith ads, //50		365
	2147	KTSS-LP	55 AR ID, on tape		260
21tr	1949	WOFL	35FL Fox		600
	1950	WFTX	36FL Fox		620
	1952	WGCU	30FL Teacher awards show		620
	2002	WXTX	39TX Ranger baseball		365
		KFWD	52TX		395
		KINZ	68TX		385
	2036	KYPX	42AR		300
	2101	WTGL	52FL Worship		645
	2126	WFSU	11FL ID		405
	2218	KVDA	60TX		445
	2349	WTEV	47FL "UPN 47"		560
22 tr	0704	WTEV	47FL still in!		560
	0706	WFTS	28FL		550
		WBHS	50FL		550
	0708	KFWD	52TX		395
		KINZ	68TX		385
	0710	KLRT	16AR		300
		KYPX	42AR		300
	1745	XHAB	7TA		505
		XHREY	12TA		535
	1954	WUSF	16FL		550
	2012	WOGXt	51FL Fox		
	2013	WTGL	52FL		645
	2101	KNVA	54TX Rangers baseball		395
	2116	WACX	55FL TBN		565
	2120	WRBW	65FL "UPN 65"		600
	2134	WZTV	17TN local commercials		
			see Note 7		465
	2140	WPGD	50TN TBN phone# floating		480
	2201	WUXP	30TN Simpsons, commercials		
			per Tom		465
	2223	WIRB	56FL thru local!		655
	2225	WJEB	59FL TBN		565
	2333	WBSF	43FL HSC		655

Western TV DX *Jeff Kruska's report continues*

23tr	0122	WPGA	58GA	"980 WPGA-AM" ad	460
	0146	WGXA	24GA	Fox, pgm matches	470
	0156	WNGM	34GA	"the Box", see note 8	515
	0213	WGNX	46GA	ID, over local	455
	0303	KERA	13TX	color bars	365
	0345	WBTB	17GA		455
		WATL	36GA	ID, local quality!	455
	1151	KTXA	21TX		395
		KUVN	23TX		365
		KLRT	16AR		300
	2054	WJSP	28GA		390
	2059	WCIO	7AL	APT ID	375
	2100	WAKA	8AL	ID	280
	2129	WPXA	14GA	ID	435
	2130	WCLP	18GA	GPTV ID	475
	2209	WDCO	29GA	GPTV on screen	480
	2213	WAAV	31AL	ID	400
		WAFF	48AL		400
	2312	WTGL	52FL	logo	645
	2321	WKCF	18FL	"WB 18", local ad	575
	2338	KYPX	42AR		300
24tr	0127	WALB	10GA	ID, web address	420
	2354	KVUE	24TX		395
		KXAN	36TX		395
	25tr	2339	KXAN	36TX	395
26 Es	1915	unID	3	SS	
27 Es	1749	KTKV	3AZ	3 logo	1245
	1756	KENW	3NM	"Wishbone"	760
	2057	unID	4	SS	
28 Es	1747	CIIL	6ON	Global news	1230
	1804	WNEM	5MI	local mentions	990
	1819	CBLT	5ON		1115
	1844	CKVR	3ON	logo	1130
	1859	WCCO	4MN	ID	995
	1915	WKYC	3OH	ID	890
	1928	WPSX	3PA	"Pennsylvania Game"	975
	1931	KCNC	4CO	ID	1010
	1956	KRMA	6CO	ID	1010
	2035	KOAA	5CO	"5/30"	940
	2036	KMTV	3NE	logo, weather map	790
	2047	KHMT	4MT	"Fox 4"	
	2127	KLBY	4KS	"KAKE news"	845
	2134	KTVS	3CO	ID	945
	2157	KSWK	3KS	"Smoky Hills PTV"	760
	2304	unID	4	TV Azteca	
	2324	to bed—still in			
29tr	2210	KEDT	16TX	weak	425
30 Es	1230	KDBC	4TX	"CBS 4", logo, local ads	910
		XEJ	5CHH		910
	1316	KENW	3NM	Painting show	760
	1330	Cuba	3CU	test pattern	
31tr	0841	KXXV	25TX	logo	360
		KXAN	36TX		395
	0843	KWEX	41TX		445
Es	0654	WUNC	4NC	ID	790
	0707	unID	6	NBC	
	0819	WFSBt	3CT		

Note 1 - Barely legible graphics announcing coming programming, with background test audio from KZBL 100.7 on ch. 17 only.

Note 2 - Initially thought I had Tampa (WFTS-28, ABC) off the back, then saw a 28 with a star in the middle followed by a Lubbock ad, and my jaw

dropped to the floor! This followed by KOCV-36 in Odessa, and I thought I must be dreaming! Furthest DX to the west. What's next...Amarillo? El Paso? New Mexico?!!

Note 3 - I don't know why I haven't seen this one before! Either they are not on the air very often, or else this was some very isolated opening. I don't even see how anything else could block its reception, not even KVTH. Strange.

Note 4 - A very interesting local morning show, with a guy hosting it on location from the back of his pickup truck! Taking phone calls from Alex(ander) City (//station on 64) and Montgomery.

Note 5 - Thanks to a tip on-line from Bill Hepburn's forecast! I logged this one while I was chatting live on the wtfda chat, I couldn't contain my excitement! Fox 41 news, "Kentuckiana Ford dealers," Carriage Ford in Clarksville (IN) ads. New tropo state.

Note 6 - Wow! 3 Mexicans simultaneously on ch. 7! XHAB had signed off for the evening and was running color bars, and then I could see a separate "TV Azteca 7" in the sync bar floating over them. Then, as I turned the antenna further, I heard "TV Azteca treize (13)" audio from the SSE! Almost had to be the Yucatan peninsula.

Note 7 - Another one logged while on the chat line. Fortunately, Tom Bryant of Nashville was there to help me ID new WZTV and WUXP LIVE!! (Thanks, Tom!).

Note 8 - The station with an identity crisis (WNGM-34). This one fooled me, as I was unaware they were currently "the Box." I thought I had a new LPTV up until I saw the ID.

This month has been **unbelievable**! I don't know if the tropo was related to El Niño, the Mexican forest fire smoke, or just a very stable inversion, it was unprecedented. It definitely goes down in history in my books: most consecutive days of tropo (15), most days of tropo in one month (24), 34 new tropo logging, furthest west U.S. tropo (KOCV-36, 670 miles), and furthest north tropo (WDRB-41, 620 miles). The most consecutive days of strong tropo prior to this that I can remember is **four**. Many days, the openings lasted through the afternoon and on into the next evening. It seemed like it opened up to a different area every night, allowing me to log stations in many new cities. Lubbock!? Odessa!? Louisville!? I would never have believed I'd see these cities! Most of the new stations were logged because I was looking out for the stations; I have a "Most Wanted" list printed out, as well as a regional list of LPTVs. DXers, take note: it helps to be prepared! It wasn't a great month for E-skip, though I hardly even cared (I'm not sure I would have even been able to distinguish Es from all of the heavy tropo CCI on lowband anyway.)

Western TV DX *Jeff Kruska's report concludes*

The IRC chat line has become an invaluable tool for DXing for me, and I'm lucky to have others who are on the transmitting end of my DX! (Lucky, too, that DX has occurred in the middle of regular chat sessions!) I hope other DXers out there will take advantage of it, especially in this E-skip season. If you have a computer, it's very easy to set up.

I forgot to mention the April trip to Fernando's QTH in last month's report. I spent four days there. The tropo wasn't as great as in May, but I was still able to see my locals one morning which was impressive. The meals and hospitality, however, were outstanding! Gracias, Fernando y Irma!

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Equipment (Es antennas): Winegard CA-5254 at 18' AGL; Winegard PR-5040 at 11' AGL.

Due to the unusually large amount of tropo this month, my report this time does not any relogs under 400 miles (or LPTV relogs under 200 miles).

May 1998	UTC
01 Es 0250 XHFM 2VER 950	
unID 2	
tr 1305 Valley 5, 7, 9, 17, 23	
Es unIDs 2, 4, 5 Mexico	
1410 XEWt 2DF	
1420 XHTV 4DF Murder, She Wrote 958	
XHGCt 5DF	
unID 5 Primer Impacto; south	
1610 XHFM 2VER Highway to Heaven 950	
1820 unID 2ON CTV	
1840 XEFB 2NL 611	
1859 XHAGU 2AGS ID supered 896	
02 Es 0405 unID 2 ABC	
unID 2 XEW	
0410 unIDs 2, 4 XHDF-13	
03 tr 0400 Valley 5, 7, 9	
04 Es 1315 unIDs 2 TV Azteca, XEW	
1430 unID 2.....Primer Impacto; south	
06tr 1210 Laredo 8, 11 481	
Es 1450 KWGN 2CO 806	
unIDs 2, 4 US and Mexico	
tr 1832 Valley 4, 5, 7, 9	
2235 Valley 11, 17, 23, 44, 54, 60	
07tr 0100 K47DF 47TX "KDF" 385	
0145 K43DV 43TX Victoria; TBN 314	
0210 XHREY 12TA XHDF-13 floating 503	
0308 unID 66TX TBN	
0430 Laredo 21, 27, 57 481	
0703 unID 59TX Movie or drama; SW	
08 Es 0215 KTVQ 2MT 1215	
KHMT 4MT 1184	
09 tr 0110 Valley back	
0800 XHWTt 12TA TV Azteca bars; south	
0815 XHATUt 2TA SS Audio o/KPRC	
XHDt 4TA XEW	
11 Es 1425 unIDs 2 Mexico	
XEWt 2DF	
1435 XHTV 4DF 958	

1440 XHGCt 5DF	
tr 2320 Valley back	
12tr 0910 KNTS-LPt 17 LA Music audio	
1113 K??? 46TX America's Voice 167	
KTAQ 47TX PSN w/ID supered 146	
1140 KUVN-LP 31 209	
Es 1515 XHFM 2VER Little House on Prairie 950	
13tr 0615 Valley again	
0655 WSRE 23FL Pensacola 410	
WHOA 32AL Montgomery 436	
0710 Lubbock 28, 34 476	
WJTCt 44FL bars	
1115 Midland/Odessa 2, 36 487-505	
Lubbock 5, 11, 13 476	
1455 KWES 9TX Odessa 505	
1510 KPEJ 24TX Floating 505	
1528 KOSA 7TX "CBS7" 505	
1545 KMLM 42TX TBN 505	
14tr 1340 Valley 5, 7, 9 also @2355	
15tr 0825 Valley back	
1015 Laredo 8, 11 481	
1158 WSRE 23FL 410	
Es 1758 unIDs 2, 4, 5 Mexico	
1845 XHFM 2VER "Televisa Veracruz" 950	
1940 XHTV 4DF Bonanza 958	
XHGV 4VER Note #1 950	
2028 XHAGU 2AGS ID supered 896	
Only the first logging of a station each week is listed hereafter.	
16 Es 1705 WPBT 2FL 939	
1830 unIDs 2, 4 Mexico	
17tr 0100 Valley 5, 7, 9	
Es 0115 unIDs 2, 4, 5 Mexico	
0235 XEFB 2NL "Televisa Monterrey" 611	
1359 XHAGU 2AGS 896	
tr 1415 KVEO 23TX 502	
Es 1505 XHG 4JAL 1003	
2058 WUND 2NC "UNCTV" 1031	
2145 WJBK 2MI 904	
2158 CHBXI 2ON MCTV/CTV	
2340 XHFM 2VER "Telever" 950	
unIDs 2, 4, 5 Mexico	
18tr 1301 K40DZ 40LA 182	
1307 KTPX 44OK 255	
1310 unID 21 TBN; south-southeast	
1318 KLFT-LP21LA Box 182	
1335 K44BQ 44OK TBN 230	
1345 K36AB 36OK OETA relay 309	
1402 unID 20 see Note #2	
Es 2250 KXMA 2ND KXMB-12 Nx 1110	
2305 KPRY 4SD KSFY-13 Nx 900	
2332 KFYZ 5ND 1063	
19 Es 0010 WUNC 4NC //SUND-2 875	
WRAL 5NC 896	
0027 WCBD 2SC 805	
WCIV 4SC 805	
0059 KWSE 4ND 1206	
0115 WESH 2FL 789	
0143 KGFE 2ND 1068	
0159 KTCA 2MN 869	
0240 KWGN 2CO "WB2" 806	
unIDs 2, 4, 5 US & Mexico	
0325 KTWO 2WY 996	
tr 1030 KGNS 8TX ID bars 481	
1035 XHREY 12TAM Azteca 13 floating 513	
20tr 1105 Valley 44, 48, 54, 60, 11, 4	
Laredo 21, 27, 57	
Es 2030 WPBT 2FL 939	

Western TV DX *D. Oglethorpe's report ends*

2032	WFOR	4FL	939
tr 2104	XHRIOT	2TAM	
	XHMTA-11	o/KHOU-11 Houston	
2240	XHD	4TAM XEW	747
2245	XHTAUT	2TAM TV7	
	XHWTI	12TAM Azteca 13; floating strongly	
2345	XHFWI	9TAM "Flintstones"	
21tr 0928	WPAN	53FL	444
1353	XHICI	13VER Azteca 13 in bar	
1412	XHREYt	12TAM Floating	
	XHFWI	12 also floating	
1633	XHSFT	25TAM XEW//9	587
2110	XHREYt	12TAM Floating strongly	
	XHFM	2VER "Telever"	950
	XHAJ	5VER Supered ID	900
	XHICI	13VER TV Azteca 13	

Note 1 - Don't be surprised if you see another, very different "Televisa Veracruz/Telever" on channel 4. Channels 2 and 4 run separate programming and IDs/promos. The ID on channel 4 is written around a ring, whereas on channel 2 the ID has a door in the background behind the "Telever/Televisa Veracruz" (which is not in a ring). Both IDs are animated. Channel 2 uses rock music on their IDs, while channel 4 uses quieter music.

Note 2 - At 0745 CDT there were religious rock music videos here from the direction of Wichita Falls TX.x At 0902 CDT Jenny Jones was here. At this time the Wichita Falls-Lawton stations were weak. The direction appeared to be a little south of Oklahoma City.

Haze is in the air and the temperature is about ten degrees above normal. Most of all, tropo abounds! I've seen XHAB-7 and XERV-9 snow-free during mid-day numerous times lately, and that is not normal.

Randy Miltier, K7RPM, 1185 Linda Ave., Ashland, OR 97520

Equipment: 19" Zenith, ch. 2-6 Yagi

May 1998		PDT
16 Es 1900	unID 2 6m open to Denver	
1929	KENW 3NM	1201
25 Es 1956	KENW 3NM	1201
28 Es 1728	unID 2, 3 6m double-hop into S	
2020	KTVK 3AZ	841
2029	XHBC 3BN	920
2059	KVBC 3NV	579
30 Es 1921	unID 2 6m open into UT, CO	

I see on the ol' amfntvdx reflector everyone is having fun with tropo and Es...except for this void in the west. It just stopped raining here May 30th and stopped snowing May 28th... so, maybe we can get on with things here.

Eric Bueneman, N0UIH, 631 Coachway Lane, Hazelwood, MO 63042-1347 (314) 839-9751 (prepaid only).

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Equipment: Alaron 12-inch black & white TV, Archer VU-110 with Archerotor at 33' above ground level.

May 1998	CDT	miles
28 Es 2206	KIII 3TX Corpus Christi	830
29tr 0345	WPXU 23 IL Decatur (ex WFHL)	110
0346	WEEK 25 IL Peoria	140
0347	WEIL 41 IL Effingham FamilyNet	105
0349	KFVS 12MO Cape Girardeau	115
0353	W28AI 28 IL Centralia	80
0401	WTJR 16 IL Quincy	
0403	WYZZ 43 IL Bloomington/Peoria	
	Color bar test pattern	135

June 1998	CDT	miles
01 Es 1725	WGBH 2MA Boston	1020
	under local KTVI	
1730	WFSB 3CT Hartford	955
1731	WBZ 4MA Boston	1020
	nearly obliterating KMOV	
1732	WCVB 5MA Boston	1020
	under local KSDK	
1758	WHDH 7MA Boston vy weak	
1836	WMAR 2MD Baltimore	740
	under local KTVI	
1837	WRC 4DC Washington	725
	under local KMOV	
1838	WTTG 5DC Washington	725
	under local KSDK	
1839	WJLA 7DC Washington vy weak	

The May 28 opening was primarily an FM opening, but I did get KIII-3 on the tail end of the opening. Noted a call letter change on the tropo opening into central IL on May 29, as WFHL-23 has officially changed calls to WPXU. WEIL-41 noted with FamilyNet...I think they carry UPN only during prime time. Also noted WTJR-16 with TBN programming.

The opening on June 1 may have had a MUF as high as channel 7, as some weak E-skip was noted there. Right now, I am listing WHDH and WJLA as tentatives. Local KMOV-4 was nearly obliterated during the peak of this opening by WBZ, as I also noted some French Canadians and new Englanders on the FM band. By 1830, the E-skip shifted down the coast to the Washington/Baltimore area, as WMAR-2, WRC-4 and WTTG-5 were noted under my locals for a new TV state (Maryland) and the District of Columbia.

Frank Aden, Jr., N7SOK, 4096 Marcia Place, Boise, ID 83704

May 19: Es noted at 6 PM local time (checked earlier, nothing seen). Probably XHBC ch. 3 and MUF up to ch. 6. Nothing on 5 so far, but heavy CCI on local ch. 2, 4, and 6. This is the first Es of the season noted here.

May 22: Short Es for about an hour around 7 PM local. MUF up to ch. 3, PBS station, no ID, but CDT time zone.

May 27: Es noted at 7 PM local on ch. 3 with MUF going up to ch. 6. Was gone by 9 PM. Tent. KENW ch. 3 NM and KFDX ch. 3 TX and KTXH ch. 5 TX. This has been the strongest opening so far.

Western TV DX *Frank Aden's report concludes*

May 28: Major Es in progress, noted at 6:30 PM local, KENW ch. 3 NM fighting it out with unID CBS. Some skip on ch 5 in and out, MUF past ch. 6.

May 31: Es started again 4 PM local (MDT) KFDX ch. 3 TX and tent. KTXT ch. 5 TX, was in until 7 PM and some in and out later.

June 2: Es has been in and out since 6 PM, getting KIMT ch. 3 IA at 8 PM MDT. Nothing on ch. 5.

June 4: Es very strong on ch. 3 here at 8 PM local, lots of CCI. KLNE ch 3 NE, nothing above ch 4 as of 9:30 PM.

June 9: Es has been in from about 7 PM MDT, up to ch. 4 but nothing on ch. 5. KSNW ch. 3 KS has been in most of the time. Was Es on ch. 3 yesterday about the same time period. A CBS unid on ch. 3.

June 10: Now getting KENW ch. 3 NM at 10 PM MDT, also ch. 5 has NBC, suspect KOAA Co. Have a WB logo floating thru local ch. 2. Suspect KASA NM. Anyone know if they are WB?

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

May 1998	UTC	grid square	beam heading	
17Es	0259	KCBS	2CA DM04	155
26Es	0154	KEYT	3CA CM94	180
	0159	KCBS \$	2CA DM04	180
	0227	KTVK	3AZ DM43	160
	0244	KNAZ	2AZ	165
	0300	XHBC	3BCN DM22	170
27Es	1830	KTVU	2CA CM87	170
29Es	0059	KENW	3NM	160
	0120	KTVK \$	3AZ DM43	160
	0130	KNAZ	2AZ	160
	0158	KASA	2NM	155
	0200	KOB \$	4NM	155
	0212	XHBC	3BCN	165
	0228	KCBS	2CA DM04	175
	0230	KEYT \$	3CA CM95	175
	0243	KVBC	3NV DM26	180
	0256	KRON \$	4CA CM87	180
	0258	KPIX	5CA CM87	180
	0300	KTVU	2CA CM87	180
		KCRA \$	3CA Sacramento	180

June 1998	UTC			
01Es	2333	KOTA	3SD	120
05Es	0000	KREG	3CO	130
	0007	KTVX \$	2UT DN40	130
	0232	KNAZ \$	2AZ	150
	0329	KWGN \$	2CO DM79	120
10 Es	2355	KNOP \$	2NE	120
	0344	KCNC	2CO DM79	120

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744

Equipment: Emerson 1987 model 872 VCR used as the tuner ahead of a 9" B&W 1994 Keepsafer CCTV monitor. Archer V-100 and 8-bay bow-tie UHF array at 20' AGL with rotor.

April 1998	Dates & Times UTC	miles
18Es	1824 KGAN	21A Cedar Rapids 962
25Es	1803 XHP-	3PU Puebla 715

May 1998	Dates & Times UTC	miles
03tr	0359 WNOL	38LA New Orleans 520
	0911 WGNO	26LA New Orleans 520
06 tr	0434 WLAE	32LA New Orleans 520
	0434 WVLA	33LA Baton Rouge 442
	0444 WNOL	38LA New Orleans 520
	0800 KLFY	10LA Lafayette 397
Es	1612 KBME	3ND Bismarck 1189
07tr	1159 WNOL	38LA New Orleans 520
07tr	1317 WLAE	32LA New Orleans 520
08tr	0404 WGNO	26LA New Orleans 520
	0438 KLTL	18LA Lafayette 397
	0459 WMAH	19MS Biloxi 583
	0630 WJTC	44FL Pensacola 665
	1342 KPJC	7LA Lake Charles 341
	1357 WVLA	33LA Baton Rouge 442
12tr	1215 WNOL	38LA New Orleans 520
	1216 WLAE	32LA New Orleans 520
	1257 KPJC	7LA Lake Charles 341
15 Es	1853 TGV	3Gu Guatemala City 1120
	1953 WEDU	3FL Tampa 996
	2149 WESH	2FL Daytona Beach 1042
	2343 WFMY	2NC Greensboro 1175
	2344 WBTV	3NC Charlotte 1092
	2358 WEDU	3FL Tampa 996
16 Es	0028 WWAY	3NC Wilmington 1239
	0201 WSIL	3IL Harrisburg 793
	0217 WSAZ	3WV Huntington 1124
17tr	1047 WNOL	38LA New Orleans 520
	1059 KPJC	7LA Lake Charles 341
	1059 WGNO	26LA New Orleans 520
Es	1715 XHBC-	3BCN Mexicali 1024
18tr	0553 K38EB	38TX Kingsville 132
Es	2229 WTTW	2IN Terre Haute 928
	2234 WJBK	2MI Detroit 1240
	2317 WBBM-	2IL Chicago 1055
20tr	1109 WNOL	38LA New Orleans 520
Es	1859 WEDU	3FL Tampa 996
	2124 WWAY	3NC Wilmington 1239
21tr	0309 KPJC	7LA Lake Charles 341
	0313 WAFB	9LA Baton Rouge 446
	0326 WGNO	26LA New Orleans 520
	0328 WLAE	32LA New Orleans 520
	0344 WMAU	17MS Bude 485
	0344 WMAH	19MS Biloxi 583
	0358 WVUE	8LA New Orleans 520
	0418 WVLA	33LA Baton Rouge 442
	0603 WLAE	32LA New Orleans 520
	1242 KLTL	18LA Lake Charles 341
	1329 WWWB	32FL Lakeland 1015
22tr	1008 WLAE	32LA New Orleans 520
	1018 WWWB	32FL Lakeland 1015
	1025 WFTS	28FL Tampa 996
	1033 KLTL	18LA Lake Charles 341
	1041 WDBD	40MS Jackson 529
	1126 WWSB	40FL Sarasota 993
	1126 WNOL	38LA New Orleans 520
	1128 WGNO	26LA New Orleans 520
23tr	0322 WFLA	8FL Tampa 996
	0443 WBSF	43FL Melbourne 1072
	0531 KLAX	31LA Alexandria 388
	0535 WGBC	30MS Meridian 619
	0540 WGMB	44LA Baton Rouge 442
	0559 WAPT	16MS Jackson 529

Western TV DX *Pat Dyer's report concludes*

0617	WTWC	40FL	Tallahassee	862
0629	WJTC	44FL	Pensacola	665
0659	WEIQ	42AL	Mobile	645
0724	WTEV	47FL	Jacksonville	1021
0726	WLAE	32LA	New Orleans	520
0732	WLOX	13MS	Biloxi	574
0733	WPMI	15AL	Mobile	659
0735	KLFY	10LA	Lafayette	397
0742	WFSG	56FL	Panama City	761
27Es	1428	KDLO-	3SD Garden City	1072
	1829	XHBC-	3BCN Mexicali	1024
	1834	WBTV	3NC Charlotte	1092
	2229	WAVE-	3KY Louisville	976
	2313	KTVI	2MO St. Louis	783
	2320	WCIA	3IL Champaign	932
28Es	1559	XHBC-	3BCN Mexicali	1024
	1610	KTVK	3AZ Phoenix	838
	1653	KVBC	3NV Las Vegas	1054
	2111	WECT	6NC Wilmington	1239
29Es	0310	WECT	6NC Wilmington	1239
	1819	WSJK	2TN Sneedville	
	2058	KGAN	2IA Cedar Rapids	
	2100	WISC-	3WI Madison	
	2116	KDKA-	2PA Pittsburgh	
	2156	WJBK-	2MI Detroit	
	2159	WDTN	2OH Dayton	
	2210	WBBM	2IL Chicago	
	2225	WCIA	3IL Champaign	
	2309	WKYC	3OH Cleveland	
	2327	WBAY	2WI Green Bay	
30Es	0017	WAVE-	3KY Louisville (xmtr in IN)	
	0341	XHBC-	3BCN Mexicali	
	1729	WTWO	2IN Terre Haute	
	2204	XHBC-	3BCN Mexicali	
31Es	1949	KIDK	3ID Idaho Falls	
	2102	KWGN	2CO Denver	

June 1998	Dates & Times UTC	miles
01Es	0324 WBTV 3NC Charlotte	
	2213 KDLH- 3MN Duluth	
02Es	1901 KVBC 3NV Las Vegas	
03Es	1418 KIMT 3IA Mason City	
	1423 KDLO- 3SD Florence	
	1435 KOTA- 3SD Rapid City	
	1558 KXMA 2ND Dickinson	
05Es	0138 WITI- 6WI Milwaukee	
	0323 WAVE 3KY Louisville (xmtr in IN)	

Fernando Garcia, San Salvador 415, Rincon de la Sierra, 67181 Cd Guadalupe, NL, MEXICO
Equipment:

Sony KV-27EXR15, Screened CM 7' dish 85', RG 11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs in the same month, only tropo 500+ miles. Instead of writing a massive report of the best month ever, I am only sending a resume of it. The following are the new ones into my logs:

May 1998	Times CDT	miles
02	0815 WPXP 67FL Lake Worth	1248
	continuous ID up left	

03	0315	WVEN-LP	63 FL Orlando	1171
			Univision//WVEA-LP ch 61	
		W57CJ	57 FL Ft. Myers Worship	1139
		W31AU	31 FL Orlando	1169
			with //WOPX-56	
	0330	W54CC	54 FL Naples TBN	1142
		W60CE	60 FL Sebring TBN	1165
07	0345	XHGE	5 CAMP Campeche w/XHDF-13	780
		XHAN	12 CAMP Campeche w/XHGC-5	780
08	0545	W64AN	64 FL Rock Harbor w/WTJV-6 NBC	1239
08	2215	W19BJ	19 FL Sunrise	1229
			NBC-6 Miami, over heavy local T band QRM	
12	0045	W39AC	39 FL Key West w/WFOR-4	1154
		0730	K19DM 19 LA Alexandria TBN	611
13	0515	K47DK	47 OK Grandfield	598
			w/KJBO-LP, Shop at Home at this time	
		K53DS	53 OK Lawton	623
			w/KJBO-LP, Shop at Home at this time	
		KOPX	62 OK Oklahoma City Worship	705
	0645	K66DB	66 TX Seminole	511
			w/KJTV-34, This station is close to state of New Mexico, maybe next time I'll get Hobbs. Also in K69FQ (relog) Snyder (495 mi) TX	
	1930	KVBO-LP	49 TX Austin UPN	350
			finally got this one, HPN	
	2200	KPTM	\$ 42 NE Omaha Full ID, MASH	1090
			snow-free at 2 AM	
		K31BW	31 KS Manhattan TBN	961
14	0300	KHIN	36 IA Red Oak (Tropo state #17)	1121
			Iowa Public Television on bottom right	
		KTIN	21 IA Fort Dodge	1231
			//above KHIN-36, my local ch 22 off (rare)	
		K59DA	59 KS Wichita TBN	850
	0400	KTAJ	16 MO St. Joseph TBN	1019
17	0000	K31EY	31 TX Victoria	293
			Spanish Music videos TMV	
23	0700	WASV	62 NC Asheville Full ID WB62	1239
		WHNS	21 NC Asheville FOX kids	1231
	1030	WMAB	2 MS Mississippi State	851
			MS ETV //WMAH-19, over local	
30	0830	K15DJ	15 OK Lawton	623
			continuous ID bottom left	
		KCPD	19 MO Kansas City	980
			PBS, SAP same audio	

May 1998 brings us Gulf of Mexico DXers the best tropo month ever. Comparable to 1995 (the best previous Spring for tropo), this year was also an extremely hot Spring and without any rain.

This month I had up to 24 days with 1000+ mile openings (18 reached to 1200 miles). My total now for 1998 is 52 days with 1000+ mile tropo DX, now exceeding the best previous year ever (1996 with 49 days). I had 15 days in a row (May 11-25) with daily openings to at least 1180 miles.

I logged the state of Louisiana daily. I logged Florida stations on 25 days with 101 stations. I have logged 309 stations of 500+ miles. What else can I say!

After feeling so tired because of many nights in a row with only a little time for sleeping, I can't complain about the May 98 tropo. I was complaining of 1997 as being a bad year. Now I can only hope last month repeats soon. 73s, Fernando

A Guide to UHF Television Reception

Presented by The National Association of Broadcasters, and PBS.

(You may think this outdated, however,
your new DSS will change your mind !)

Introduction

The purpose of this Guide is to provide information for improving UHF television reception in the home. The Federal Communications Commission originally allocated twelve channels for television broadcasting. These channels, numbers 2 through 13, are in the "very high frequency" or VHF band. (Originally Channel 1 was also included, but was soon reassigned to other purposes.)

The tremendous growth in television broadcasting following World War II made it obvious that 12 channels were not enough. So in 1952, the FCC allocated 70 additional channels above the VHF television band and called them "ultra high frequency" or UHF band. The channels are 14 through 83. UHF signals, however, due to the physics of radio frequency transmission, are inherently less efficient in the conversion of radio waves to the electrical signals used by the television receiver, and are subject to more losses from some environmental conditions than VHF. Good UHF reception, therefore, requires more attention to antenna installation and set tuning than does VHF reception. On the other hand some VHF channels are subject to certain types of interference to which UHF channels are generally immune.

Simply stated, clear UHF reception requires more attention to antenna installation and set tuning than does VHF reception. While the broadcasting industry is working to improve the technical elements of UHF reception, there is much that can be done, at reasonable cost, with present available equipment-and that's what this publication wants to reveal.

Perfect reception for television signals can't be guaranteed simply because there are too many variables involved. However, by following the recommendations in this Guide, the chances for clear reception will be greatly improved.

Improving UHF reception can be a do-it-yourself job. Even if the work is given to a professional, the information in this guide will provide a better understanding of what is needed and what can be expected.

Poor Reception and Poor Antennas

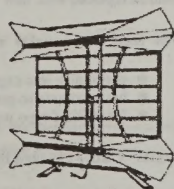
If UHF reception in general is bad, how it's bad can help determine the problem. "Snow" is visual noise caused by a weak signal, poor antenna system, the set itself, or a combination of these. "Ghosts" or multiple images are caused by a signal arriving from two or more directions simultaneously reflected off buildings, trees and mountains. A good antenna system often solves these reception problems. An outdoor antenna is better than an indoor antenna. An indoor antenna is better than no antenna at all. If an outdoor antenna is needed for VHF, you'll almost certainly need an outdoor antenna for UHF. But if good VHF reception can be obtained with an indoor antenna, a loop or other UHF antenna on the set may also work.

Indoor antennas

All indoor antennas can be adversely affected by the walls of a house, inadequate height, and by movement of people in the room-as may be noticed with VHF "rabbit ears." Loop or single bow tie UHF antennas are usually not satisfactory. They are difficult to adjust for maximum signal pick up or for elimination of ghosts. Be sure their lugs are secure to the UHF antenna terminals on the back of the set. The indoor combination VHF/UHF antenna has a multi-position switch to get the best picture. As a rule, this type of antenna is not good for UHF. The rod antenna, or "monopole," is a VHF/UHF antenna found on some portable sets. Normally UHF reception is poor, but can be enhanced when the rod is telescoped to its smaller size.

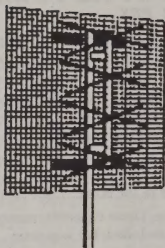
The best indoor antenna

If an indoor UHF antenna must be used, the two-bay bow tie with a reflector screen (pictured) is the best choice. But, keep in mind, outdoor antennas are always better than indoor antennas. Make sure the antenna wires are connected to the UHF terminals on the back of the TV set.



Outdoor Antennas

There are many different kinds of outdoor antennas available in a wide price range. The kind selected is determined primarily by the geographic location of the receiver.



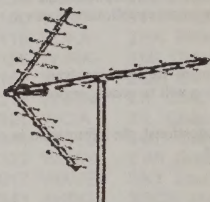
[Recommended UHF antennas: four-way bow tie (pictured), 7-10 dB gain, for metropolitan areas with strong signal. Eight-way bow tie (similar), 10-13db gain for suburban areas with medium signal.]

Television signals are strongest when the station transmitting tower and the home receiving antenna are in line-of-sight. If the line-of-sight is blocked or weakened by mountains, buildings or trees, the signal, likewise will be weakened or lost. The signal will also grow weaker as it travels farther.

"Gain" is the measure of an antenna's *sensitivity*-- and its ability to pick up signals. It is measured in decibels (dB). The farther away from the station tower, the more gain the antenna should have. Gain can also vary from channel to channel. For example, an antenna's advertised gain rating may be at Channel 20, but the gain may be much less at Channel 69. Make sure the dealer guarantees that the antenna purchased is for channels in your area.

Where buildings or other obstructions cause "ghosts," an antenna with good *directivity* is recommended. Directivity is the ability to receive only those signals at which an antenna is pointed. Highly directive antennas have narrow receiving angles (measured to degrees) and high "front to back ratios." To insure the best reception aim the antenna carefully.

If a good VHF antenna installation is already on hand, it will probably be less expensive to add a good quality UHF antenna on the same mounting mast. The separate UHF antenna also will permit pointing to VHF and UHF antennas independently.



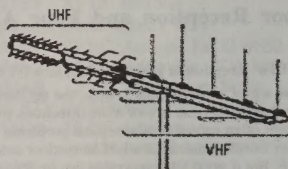
[Yagi (pictured) with corner reflector, 13-16dB gain, for deep fringe areas with low signal.]

If all television signals are coming from the same direction, both VHF and UHF reception can be improved. Choose an antenna according to the distance to the most distant UHF station for which reception is desired by installing an all-channel combination antenna. Combining both antennas in a single mechanical structure imposes design problems which make the selection of a well-engineered antenna very important.

[Outdoor combination antenna: log periodic with yagi. (pictured)]

There are several good combination VHF/UHF antennas available. One of the best types combine a "log periodic" VHF antenna with a "yagi" UHF antenna on a single horizontal boom. If the UHF stations to be received are located in different directions from the house (more than 30 degrees apart):

- Either use separate antennas with a mixer or a switch (get professional help for this kind of installation.)
- Or use an antenna rotator with remote control. The rotator is ideal when signals come from many directions.



Lead-in Lines

A good lead-in line installation delivers the signal from antenna to set with relatively little loss of strength. Choose a quality grade of either one. Flat ribbon twin lead, shielded twin lead and solid core coaxial cable don't work well for UHF. Lead-in lines deteriorate over time. Lead-in lines over five years old (or less depending on environmental conditions) should be replaced with new cables.

Twin lead vs. coaxial cable

- is initially less expensive.
- has moderate to poor life; signal loss increases as it weathers and ages.
- foam filled type works best.

Coaxial Cable (75 ohm line)

- costs more initially, but less frequent replacement makes it less costly in time.
- occasionally needs matching transformers at antenna and set, and uses special connectors.
- lasts much longer. Has slightly more signal loss than new twin lead, but loss doesn't increase with age.
- foam core works best.
- is better at screening local interference.
- looks better.

Guide to UHF Television Reception

A good installation can be made using either type of line. Get professional help if you have special problems like local interference or very weak signals. Few sets still have 300 ohm antenna connectors, a matching transformer to connect coaxial cable to the set will be needed.

With separate VHF and UHF antennas, separate lead-in lines are used to connect them to their respective terminals on the television set. Most combination VHF/UHF antennas have a connection for a single lead-in line, and in most locations a single high quality lead-in line will deliver good VHF and UHF signals. However, a single line cannot be connected to both the VHF and UHF 300 ohm terminals. Instead, a good VHF/UHF "splitter"-rated 300 ohms for twin lead or 75 ohms for coaxial is required. Connect the lead-in line to one end, and the two pairs of wires at the other end to the appropriate set terminals.

Splitters (also called "mixers") can also reduce signal strength. So in a weak signal area, use separate lead-ins or add a booster amplifier to the antenna. If a booster amplifier is added, it should be in the line before any splitters, and as close to the antenna as practical.

Installation

The best antenna location

- Higher is usually better. Six to eight feet above the roof should be adequate.
- Buildings or other obstructions shouldn't block the line-of-sight to the TV tower.
- The shorter the lead-in line, the less signal is lost.
- Avoid attaching the antenna to a working chimney.
- Fumes are harmful to the aluminum antenna parts.
- Heed local ordinance.

Tips on installation

- The dealer can advise what hardware to use to mount the antenna.
- Be sure the antenna is assembled correctly. Read the instruction sheet carefully.
- Check the area to be sure there are no power lines nearby that could touch the antenna, lead-in lines, or metal extension ladder.
- Ground the antenna mast electrically, using No. 6 or larger wire and standard ground rod to help protect the antenna and TV set from lightning.
- Masts taller than 10 feet need guy wires.
- If a separate UHF antenna is used, mount it 4 or 5 feet above the VHF antenna.
- Aim the antenna at the TV station tower. Where this is not feasible, a signal reflected from a large building or other obstruction may work.
- Experiment with antenna height and aiming, because a few inches can make a big difference. Have someone watch the set and report of reception quality as the antenna position is changed.
- Keep lead-in line free of splices and sharp bends.
- Keep twin lead at least three inches from metal gutters and pipes by using "stand-off" devices every three feet.
- Don't run twin lead and rotator wires through the same stand-offs.
- If a rotator is used, leave enough slack in the lead-in line for rotating the antenna.
- Secure twin lead to stand-offs or tape coaxial cable to the mast to avoid strain on antenna connections.
- Twist twin lead 1/2 turn per foot to prevent wind whipping and to reduce FM or other interference.
- Form the lead-in line into a half loop where it enters the house, so rain water will drip off. Seal the entry with a waterproof material.
- Excess line coiled in the wall or behind the set can cause signal loss and interference.

Multiple Sets

More than one television set (or FM radio) may be connected to one antenna by using a multiple set "coupler." Most couplers weaken signals. If signals are weak a coupler and an amplifier may be needed, which substantially increased the cost. It may be cheaper to erect a second antenna.

Booster Amplifiers

All televisions sets, particularly older ones, add some noise or "snow" to weak UHF signals. A booster (or preamplifier) may reduce the snow, but first be sure a good antenna installation is in place. Keep in mind, outdoor booster antenna are more efficient than indoor models mounted at the set.

Maintenance

Regardless of initial quality, antennas and lead-in lines gradually deteriorate with age. Pollutants and salt ocean air are particularly destructive. Check the complete installation and hose the antenna with water yearly.



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